

LANL ESM Chapter 1 Section 230 Att 1
 Equipment and Component IDs
 Name-Sort
 5/23/2017

NAME	ID
Actuator	ACTR
Actuator, fire device	AFD
ADA ramp (bldg or sidewalk)	ADARMP
After cooler	ACL
Agitator	AGT
Air conditioner, refrigerant	ACR
Air sampler, exhaust stack	ASE
Air terminal (e.g., LPS)	ATERM
Air-ejector, steam	AES
Alarm	ALM
Alarm, access, red-light	RLT
Alarm, analyzer	AA
Alarm, carbon monoxide	ALC
Alarm, combustible gas	AGA
Alarm, conductivity	CA@
Alarm, current	IA
Alarm, differential pressure	PDA
Alarm, flow	FA
Alarm, level	LA
Alarm, moisture	MA
Alarm, oxygen, indicating	OIA
Alarm, power	JA
Alarm, pressure	PA
Alarm, radiation	RA
Alarm, special (incl. refrigerant monitors and fire alarms at TA-55)	XA
Alarm, speed	SA
Alarm, temperature	TA
Alarm, vibration	VA
Alarm, voltage	EA
Alarm, zone or position	ZA
Amplifier	AMP
Analysis element (see Primary element, analyzer)	
Analyzer or analytical instrument (when more specific does not exist)	ANLYZR
Analyzer, oxygen	OI
Annunciator	ANN
Argus Field Panel	AFP
Armor plate (e.g., ceiling)	ARMPL
Assembly	ASSY
Attenuator – sound, etc.	ATT
Automated external defibrillator	AED
Automated storage and retrieval (Lektriever, Kardex)	KARDEX
Automatic air vent (hydronic systems)	AAV
Backflow preventer	BFP
Balance or scale	BAL
Barrier (rail, bollard, jersey, manual gate, etc.)	BARR
Basin or pond	BASIN
Batch plant (asphalt, concrete, etc.)	BATCH
Battery or battery box	BTRY
Battery, banked	BB
Battery, fire control panel	FCPB
Berm	BERM
Beta or Beta/Gamma Detector (see Primary element, radiation)	
Blower	BL
Blower, vacuum	BV
Board (circuit, etc.)	BD
Boiler, hot water	BHW

Boiler, steam	BS
Boiler, water supply	BWS
Bottle, nitrogen	NGN
Box, atmospheric control (TA-55 PSAA pos pr GB)	ACB
Box, glove (see glovebox)	
Box, introductory/exchange (see glovebox, intr...)	
Box, junction	JBOX
Box, pull	PBX
Box, standard waste	SWB
Branch selector unit	BSU
breaker, circuit -- see circuit breaker	
Breathing air station (see Station, breathing air)	
Bridge	BRDG
Building incl. office trailer	BLDG
Burner Element (see Primary element, burner)	
Bus duct (aboveground) (TA-55 only uses as drop box)	DB
Bus Plug	DBPL
Bus, substation (HV)	SSBU
Button, Push (switch)	BTN
Cabinet (including control)	CAB
Cage (wire/fence or restraint)	CAGE
Camera	CAMERA
Capacitor, non-pad mounted	CAP
Capacitor, pad mounted	CPMD
Cart	CART
Cathode ray tube (see Terminal...)	
Central processing unit (computer)	CPU
Chamber	CHAMB
Charger, battery	CB
Chassis (including ethernet)	CHAS
Chiller, water, absorption	CWA
Chiller, water, evaporative	CWE
Chiller, water, refrigerant	CWR
Circuit breaker, AC	52
Circuit breaker, air (MV or HV)	CBA
Circuit Breaker, Anode	7
Circuit Breaker, DC	72
Circuit breaker, enclosed (individual MCCB NEMA AB 1, often used as disconnect)	CBE
Circuit Breaker, Equalizer	22
Circuit Breaker, Field	41
Circuit breaker, gas (MV or HV)	CBG
Circuit breaker, insulated case (in a LV swbd)	ICCB
Circuit breaker, low voltage power (draw-out mounted power CB in ANSI-rated LV swgr)	LVPCB
Circuit breaker, molded-case in pnld or swbd	MCCB
Circuit breaker, oil (MV or HV)	CBO
Circuit Breaker, Running	42
Circuit Breaker, Starting	6
Circuit breaker, vacuum (MV or HV)	CBV
Circuit, electric, overhead	CEO
Circuit, electric, underground	CEU
Cleanout	CO
Coil, cooling	CCL
Coil, cooling, evaporative	CCE
Coil, cooling, glycol	CCG
Coil, heating	HCL
Collector (e.g., drip or catch pan)	COL
Collector, dust	CD
Column, water	CW
Communication, Special	COMX
Compressor	COMPR
Compressor, air	CA
Compressor, refrigerant	CR
Computer room air conditioner (e.g., the indoor unit)	CRAC

connected to a CRA or RUA)	
Condensate recovery unit	CRU
Condenser (e.g., process)	COND
Condenser, refrigerant, air-cooled (if compressor see RUA; see also CRAC)	CRA
Condenser, refrigerant, evaporative	CRE
Condenser, turbine exhaust	CTE
Connector or coupling (including electrical grounds)	CONN
Constant air volume (box)	CAV
Contacto	CNTR
Contacto, Field Changing	93
Contacto, Isolating	29
Contacto, Load-Resistor	73
Contacto, Master	4
Contacto, Starting-To-Running Transition	19
Container	CONT
Continuous Air Monitor (CAM) Supervisor Module	CSM
Continuous Air Monitor (see Monitor, continuous air)	
Control Device, Permissive	69
Control operator, analyzer	ACO
Control operator, conductivity	CCO
Control operator, differential pressure	PDCO
Control operator, flow	FCO
Control operator, hand	HCO
Control operator, level	LCO
Control operator, pressure	PCO
Control operator, special	XCO
Control operator, speed	SCO
Control operator, temperature	TCO
Control panel -- see Panel, control	
Control station, indicating, analyzer	AIK
Control station, indicating, burner	BIK
Control station, indicating, conductivity	CIK
Control station, indicating, current	IIK
Control station, indicating, differential pressure	PDIK
Control station, indicating, flow	FIK
Control station, indicating, moisture	MIK
Control station, indicating, power	JIK
Control station, indicating, special	XIK
Control station, indicating, speed	SIK
Control station, indicating, temperature	TIK
Control station, indicating, voltage	EIK
Control station, recording, analyzer	ARK
Control station, recording, conductivity	CRK
Control station, recording, differential pressure	PDRK
Control station, recording, flow	FRK
Control station, recording, level	LRK
Control station, recording, special	XRK
Control station, recording, temperature	TRK
Control, analyzer	AC
Control, burner	BC
Control, conductivity	CC
Control, current	IC
Control, deviation	ZDC
Control, differential pressure	PDC
Control, differential temperature	TDC
Control, flow	FC@
Control, flow, ratio	FFC
Control, force differential	WDC
Control, hand	HC
Control, indicating, analyzer	AIC
Control, indicating, burner	BIC
Control, indicating, conductivity	CIC
Control, indicating, current	IIC
Control, indicating, deviation	ZDIC
Control, indicating, differential pressure	PDIC

Control, indicating, differential temperature	TDIC
Control, indicating, flow	FIC
Control, indicating, flow ratio	FFIC
Control, indicating, flow, quantity	FQIC
Control, indicating, force differential	WDIC
Control, indicating, hand	HIC
Control, indicating, level	LIC
Control, indicating, moisture	MIC
Control, indicating, power	JIC
Control, indicating, presence or state	YIC
Control, indicating, pressure	PIC
Control, indicating, quantity	QIC
Control, indicating, radiation	RIC
Control, indicating, special	XIC
Control, indicating, speed	SIC
Control, indicating, temperature	TIC
Control, indicating, time	KIC
Control, indicating, voltage	EIC
Control, indicating, weight or force	WIC
Control, indicating, zone or position	ZIC
Control, level	LC
Control, moisture	MC@
Control, power	JC
Control, presence or state	YC
Control, pressure	PC@
Control, radiation	RC
Control, recording, analyzer	ARC
Control, recording, burner	BRC
Control, recording, conductivity	CRC
Control, recording, current	IRC
Control, recording, deviation	ZDRC
Control, recording, differential pressure	PDRC
Control, recording, differential temperature	TDRC
Control, recording, flow	FRC
Control, recording, flow, quantity	FQRC
Control, recording, flow, ratio	FFRC
Control, recording, force differential	WDRC
Control, recording, level	LRC
Control, recording, moisture	MRC
Control, recording, position	ZRC
Control, recording, power	JRC
Control, recording, pressure	PRC
Control, recording, quantity	QRC
Control, recording, radiation	RRC
Control, recording, special	XRC
Control, recording, speed	SRC
Control, recording, temperature	TRC@
Control, recording, time	KRC
Control, recording, voltage	ERC
Control, recording, weight or force	WRC
Control, special	XC
Control, speed	SC
Control, temperature	TC@
Control, time	KC
Control, voltage	EC
Control, weight or force	WC
Control, zone or position	ZC
Controller (TA55 use only, others use specific kind)	CNTRLR
Controller, pneumatic (phasing out; note, CP=control panel at TA-55)	CP
Controller, pneumatic, flow	CPF
Controller, programmable logic	PLC
Converter	CNV
Conveyor (belt, auger, etc.)	CVVR
Cooler, air, evaporative	CAE
Cooler, air, water	CAW

Cooler, water (including drinking fountains)	WCR
Counter, permanent (e.g., autos, not PCM)	CTPERM
Counter, portable	CTPORT
Crack or Fissure in Building	CRACK
Crane, bridge	CTO
Crane, gantry	CTG
Crane, jib	CJ
Crane, mobile or fixed (use specific type where possible)	CRANE
Crane, monorail	CM
Crane, shop	CS
Criticality Alarm Sys (CAS) Detector	CASD
Criticality Alarm Sys (CAS) Ratemeter	CASR
Crucible	CRUC
Curbing (asphalt, concrete)	CURB
Cylinder	CYL
Damper	DMP
Damper, fire	DF
Damper, smoke (some legacy use as door switch, now use BMS)	DS
Data Acquisition	DAQ
Deck (e.g., bridge, roof)	DECK
Dehumidifier	DHM
Deminerlizer	DMN
Demister	DMST
Desuperheater	DSH
Detector, Flame (e.g., boiler)	28
Detector, heat (but XTS preferred)	HD
Detector, Heat (XTS preferred)	XTS
Detector, radiation (see Primary Element, radiation)	
Detector, smoke	SMD
Detector, smoke, high sensitivity (incl. aspirating)	HSSD
Device, Accelerating	18A
Device, Apparatus Thermal	26
Device, Bearing Protective	38
Device, Brush-Operating or Slip-Ring Short Circuiting	35
Device, Control Power Disconnecting	8
Device, Decelerating	18D
Device, Manual Trans/Select	43
Device, Master Sequence	34
Device, network communication	NCD
Device, Notching or Jogging	66
Device, Overspeed	12
Device, Polarity or Polarizing Voltage	36
Device, Reversing	9
Device, Separate Excitation	31
Device, Short-Circuiting or Grounding	57
Device, Speed or Frequency Matching	15
Device, Stopping	5
Device, Synchronous Speed	13
Device, Temperature Control	23
Device, Underspeed	14
Dewar	DEWAR
Diffuser	DIF
Diffuser, aeration basin	DAB
Disconnect, circuit (enclosed switch, safety switch)	CDD
Disconnect, hand-operated	DHO
Disconnect, motor-operated	DMO
Dishwasher, glassware cleaner, or sterilizer	DSHW
Disinfection system, mixed-oxidant	MDS
Distribution Bus Duct	DBD
Door	DR
Door, air curtain	DAC
Door, fire, electrical	FDE
Door, fire, mechanical	FD
Door, fire, structural	FDC

Door, motorized	DM
Door, roll-up, electric	DRE
Door, roll-up, hydraulic	DRH
Door, roll-up, manual	DRM
Drain	DRN
Drain, floor	FD
Drawer	DWR
Drinking fountain (see cooler, water)	
Dri-Train (see Dryer, catalyst)	
Drive, fluid	DFL
Drive, variable frequency	VFD
Drop Box (TA55 only. DB normally bus duct)	DB
Drum Tumbler	DT
Drum, 110 gallon	110GAL
Drum, 55 gallon	55GAL
Drum, 85 gallon	85GAL
Dryer, air, desiccant	DAD
Dryer, air, refrigerant	DAR
Dryer, catalyst (e.g., Dri-Train)	DDT
Duct	DUCT
Dumbwaiter	DW
Earth (Snow) Moving Equipment (see Loader)	
Electro corrector, gas	EG
Element (electric, heating, etc.)	ELEM
Elevator, electric	EE
Elevator, hydraulic	EH
Enclosure -- see fume hood	
Energy recovery ventilator	ERV
Engine	ENG
Equipment, Heavy	HVYEQ
Equipment, surveillance	ESS
Equipment, Test (only when no specific applies)	TSTEQ
Evaporator	EVP
Exciter	EXC
Exit Sign Non-Tritium (see Light, non-tritium)	
Exit Sign Tritium (see Light, tritium)	
Expansion joint (piping, bridge)	EXPJT
external	TBLK
Extinguisher, fire	EXT
Eyewash	EW
Fall protection equipment	FPE
Fan	FAN
Fan coil unit	FCU
Fan, booster	FB
Fan, circulating	FC
Fan, condenser	FCD
Fan, cooling tower	FCT
Fan, exhaust	FE
Fan, exhaust, fume hood	FEH
Fan, return or recirculation	FRA
Fan, supply	FS
Fence	FEN
Field termination box	FTB
Fill cup, sprinkler standpipe (funnel)	XFC
Filter (liquid mainly)	FLT
Filter frame (see Frame, filter)	
Filter, air, bag or box	FAB
Filter, air, charcoal	FAL
Filter, air, cleanable	FAC
Filter, air, electrostatic	FES
Filter, air, fire	FAF
Filter, air, HEPA (or gas)	FAH
Filter, air, mat	FAM
Filter, air, pad	FAP
Filter, air, roughing	FAR
Filter, oil	FO

Filter, roll	FRL
Final element, analyzer	AV
Final element, burner	BZ
Final element, current	IZ
Final element, deviation	ZDV
Final element, differential pressure	PDV
Final element, differential temperature	TDV
Final element, flow, quantity	FQV
Final element, flow, rate	FV
Final element, flow, ratio	FFV
Final element, force differential	WDZ
Final element, hand	HV@
Final element, level	LV
Final element, multivariable	UV
Final element, position	ZV
Final element, power	JV
Final element, presence or state	YZ
Final element, pressure	PV@
Final element, quantity	QZ
Final element, radiation	RZ
Final element, speed	SV@
Final element, temperature	TV@
Final element, time	KV@
Final element, vibration analysis	VZ
Final element, voltage	EZ
Final element, weight or force	WZ
Fire department connection	FDC@
Fire extinguishing agent, Class D	FEACLD
Fire suppression dry chemical	FSDC
Fire suppression extinguishing system, gaseous or halon	EXS
Fire suppression hybrid water/inert	FSHWI
Fire suppression wet chemical	FSWC
Fire suppression wet foam	FSWF
Fire suppression wet foam preaction	FSWFA
Fixed Head Air Sampler	FAS
Fixture	FXTR
Flasher	FLASHR
Forklift	FRKLFT
Frame, Filter	FF
Fume hood (but use XB when leading to a GB)	FH
Fume hood exhaust (see fan, exhaust, hood)	
Furnace, electric (see Oven)	
Furnace, gas fired	FGF
Fuse	FU
Fusible Link (see Safety device, temperature)	
Gas chromatograph	GC
Gate, electric	GE
Gate, hydraulic	GH
Gearbox	GRBX
Generator	GEN
Generator, Auxiliary Motor or Motor	88
Generator, diesel engine	GDE
Generator, motor	MG
Generator, natural gas engine	GNE
Generator, permanent magnet	PMG
Generator, steam driven	GNS
Glovebox	GB
Glovebox, introductory/exchange (fume hd leading to GB)	XB
Governor	65
Grille, register, diffuser, or louver (HVAC)	GRD
Grinder, belt	GRB
Grinder, pedestal	GRP
Grinder, surface	GRS
Ground Fault Circuit Interrupter	GFCI

Ground, overcurrent trip (see Relay, AC)	
Hand and foot monitor	HFM
Heat exchanger	HX
Heat exchanger, glycol	HXG
Heat exchanger, oil	HXO
Heat exchanger, refrigerant	HXR
Heat exchanger, steam	HXS
Heat exchanger, water	HXW
Heater (e.g., electric element)	HTR
Heater unit, air, electric	HUE
Heater unit, air, gas	HUG
Heater unit, air, infrared	HUI
Heater unit, air, steam	HUS
Heater unit, air, steam-electric	HSE
Heater unit, air, water	HUW
Heater, deaerating	HDA
Heater, duct, electric	HDE
Heater, duct, gas	HDG
Heater, feed water, high-pressure	HFH
Heater, feed water, intermediate-pressure	HFI
Heater, feed water, low-pressure	HFL
Heater, water, electric	HWE
Heater, water, gas	HWG
Heater, water, steam	HWS
Heating ventilation air conditioning unit (furnace or heat pump w/ heat and cool; heat only see Furnace; cool only see ACR; fan/coil only see fan coil unit FCU)	
Heating Ventilation Plenum Frame (has coils; otherwise use frame, filter)	HVP
Heating ventilation unit (see also Furnace)	HV
HEPA filter, portable unit or vacuum	HEPAPU
Hoist or winch (TA55 only; others use specific kind)	HST
Hoist or winch, electric	HE
Hoist or winch, manual	HM
Hoist or winch, pneumatic/hyd	HP
Hood, fume -- see fume hood	
Hose	PSX
Hose bib	HB
Hot Plate	HTPLT
Hot water heater, potable (see Heater, hot water)	
Humidifier, air, steam	HAS
Humidifier, air, water	HAW
Hydrant	HYD
Hydraulic system	HYDSYS
Ice maker machine	IMM
Igniter	IGNTR
Indicator, analyzer	AI
Indicator, burner	BI
Indicator, conductivity	CI
Indicator, current	II
Indicator, deviation	ZDI
Indicator, differential temperature	TDI
Indicator, flow	FI
Indicator, flow, ratio	FFI
Indicator, flow, totalized	FQI
Indicator, force differential	WDI
Indicator, ground	GI
Indicator, level	LI
Indicator, moisture	MI
Indicator, multivariable	UI
Indicator, pH	PHI
Indicator, power	JI
Indicator, presence or state	YI
Indicator, pressure	PI
Indicator, pressure differential	PDI
Indicator, quantity	QI

Indicator, radiation	RI
Indicator, special	XI
Indicator, speed	SI
Indicator, temperature	TI
Indicator, time	KI
Indicator, time, totalized	KQI
Indicator, vibration	VI
Indicator, voltage	EI
Indicator, weight or force	WI
Indicator, zone or position	ZI
Inspector Test Valve -- see Valve, Inspector's Test	
Instrument (legacy RLUOB R&D only; when new use true functional ID)	IN
Insulation	ISL
Intercom	ICOM
Intercooler	INCLR
Interlock, laser	LIL
Inverter	INVT
Isolator, level	LB
Jet, condenser, priming	JCP
Junction Box (see Box, junction)	
Keyboard	KYBD
Ladder	LADR
Laser	LASER
Lathe	LAT
Launcher	LCHR
Leak detector or tester	GXT
Lift (use specific where possible)	LFT
Lift station, sewage	SLS
Lift, materials, electric	LME
Lift, materials, hydraulic	LMH
Lift, materials, mobile	LMM
Lift, materials, pneumatic	LMP
Lift, personnel, electric	LPE
Lift, personnel, gasoline	LPG
Lift, personnel, hydraulic	LPH
Lift, personnel, pneumatic	LPP
Lift, platform, electric	LEP
Lift, wheelchair, inclined	LWI
Lift, wheelchair, vertical	LWV
Light, emergency	LTE
Light, emergency/exit sign combo	LTCOMB
Light, exit sign, lit (non-tritium/not self-luminous)	LTNT
Light, exit sign, tritium or other self-luminous	LTET
Light, hand	HL
Light, pilot	PLTLT
Light, street	LSS
Light, ultraviolet (e.g., UV sterilization)	LUV
Lighting fixture	LF
Lighting Panel (see Panel, lighting)	
Lighting, incandescent	LN
Lightning protection	LPT
Limited volume circulation chilled water unit	LVCCWU
Line, electric, transmission	LET
Load bank, resistance	RLB
Load cell	LDC
Loader or similar earth-mover	LDR
Lock, metal former	LMF
Logic control chassis	LCC
Machine	MACH
Machine, milling (see Milling machine)	
Main, force, sewage	SMF
Manhole, electric	MHE
Manhole, steam	MHS
Manhole, waste water	MWW
Manifold	MANF

Markings (pavement or otherwise)	MKGS
Mass Spectrometer or other	SPEC
Master Element	1
Mechanism, Position Changing	75
Message board, permanent	MBPERM
Message board, portable	MBPORT
Meter (generic)	MTR
Meter, gas, district	MGD
Meter, gas, revenue	MGR
Meter, humidity or temperature	MHT
Meter, megohm	MMO
Meter, multimeter, digital	MMD
Meter, pH	MPH
Meter, water	MW
Microphone	MIKE
Mill, numeric control	MNC
Milling machine	MM
Miscellaneous (consult Ch 1 POC before using)	MISC
Mixer (e.g., PA)	MIX
Mixer, chemical	MC
Modifier, analyzer	AM
Modifier, conductivity	CM@
Modifier, current	IM
Modifier, differential pressure	PDM
Modifier, differential temperature	TDM
Modifier, flow	FM
Modifier, flow, ratio	FFM
Modifier, flow, totalizer	FQM
Modifier, indicating, pressure	PIM
Modifier, level	LM
Modifier, moisture	MM@
Modifier, power	JM
Modifier, pressure	PM
Modifier, radiation	RM
Modifier, special	XM
Modifier, speed	SM
Modifier, temperature	TM
Modifier, vibration	VM@
Modifier, voltage	EM
Modifier, weight or force	WM
Modifier, zone or position	ZM
Molecular sieve	MOLESV
Monitor	MON
Monitor, atmospheric condition	45
Monitor, continuous air	CAM
Monitor, continuous air- supervisor module (see CAM supervisor module)	
Monitor, mechanical, condition	39
Motor	MO
Motor control center	MCC
Motor starter (see Starter, motor)	
Muffler	MUF
Multiplexer	MUX
Notification appliance, audio	NAA
Notification appliance, audio visual	NAAV
Notification appliance, visual	NAV
Nozzle	NZL
Open front hood (RLUOB red/zone 2 hoods only; TA-55 uses XB for similar)	OF
Operating Mechanism	84
Orifice plate, gas (RO preferred)	OPG
Orifice, restricting	RO
Outlet, non-telephone	OUT
Oven or electric furnace	OVEN
Pallet	PLL
Panel (TA-55 legacy; use specific where possible)	PL and

	PNL
Panel, camera interface	CIP
Panel, control	CPL
Panel, control (TA55 only; others use CPL)	CP
Panel, control, fire alarm	FCP
Panel, control, halon	HCP
Panel, emergency power	EP
Panel, lighting (legacy; use PP now)	LP
Panel, power	PP
Panel, power, direct current	PPDC
Panel, remote access	RAP
Parking lot, paved	PKLOTP
Parking lot, unpaved	PKLOTU
Pavement (asphalt, concrete), pad, or slab	PAVEMT
Penetration, floor or ceiling	FP
Penetration, Wall or roof	WP
Personnel contamination monitor	PCM
Phase shifting device	PSD
Photovoltaic panel	PVPANL
Pilot light (see Light, pilot)	
Pipe or piping	PIPE
Pipette	PPTT
Plate	PLT
Platform (fixed or moveable, but not lifting type)	PLATF
Plug (shield, cable, etc.)	PLUG
Pole, electrical distribution	PE
Power distribution unit	PDU
Power Panel (see Panel, power)	
Power supply, electric	JX
Power unit, hydraulic	HPU
Press, drill	DP
Press, hydraulic	PH
Pressure regulating device (bubbler; use PRV for valves)	PRD
Pressure test rig (hydro/pneumo)	PTR
Primary element, analyzer	AE
Primary element, burner	BE
Primary element, conductivity	CE
Primary element, current	IE
Primary element, deviation	ZDE
Primary element, differential pressure	PDE
Primary element, flow	FE@
Primary element, flow, quantity	FQE
Primary element, force differential	WDE
Primary element, level	LE
Primary element, moisture	ME
Primary element, pH	PHE
Primary element, power	JE
Primary element, pressure	PE@
Primary element, quantity	QE
Primary element, radiation (beta, beta/gamma, etc.)	RE
Primary element, seismic	SESE
Primary element, special	XE
Primary element, speed	SE
Primary element, temperature (e.g., T/C, TC, TCP, thermocouple, thermistor)	TE
Primary element, time	KE
Primary element, vibration	VE
Primary element, voltage	EE@
Primary element, wear	WRE
Primary element, weight or force	WE
Primary element, zone or position	ZE
Printer or plotter	PRNT
Pull Station, Fire Alarm (TA-55 only, others use pull box-- pbx)	XHS
Pump	P

Pump, acid or chemical	PAC
Pump, boiler feed	PBF
Pump, chilled or cooling water	PCW
Pump, circulating	PCR
Pump, condensate	PC
Pump, cooling tower	PCT
Pump, deionized water	PDW
Pump, fire protection	PFP
Pump, fuel oil	PFO
Pump, glycol	PG
Pump, hot water	PHW
Pump, hot water, domestic (potable)	PDH
Pump, hydraulic	PHO
Pump, oil	PO
Pump, pressure, boosting	PPB
Pump, sampler air	PSA
Pump, sealant water	PSW
Pump, sewage, raw	PSR
Pump, sump	PS
Pump, tempered water	PTW
Pump, vacuum	PV
Pump, waste treatment	PWT
Pump, water spray	PWS
Rack	RACK
Radio frequency inductively heated device	RFIHD
Reactor	REAC
Reader	RDR
Reagent (or remote) transfer device	RTD
Recorder, analyzer	AR
Recorder, burner	BR
Recorder, conductivity	CR@
Recorder, current	IR
Recorder, deviation	ZDR
Recorder, differential pressure	PDR
Recorder, differential temperature	TDR
Recorder, flow	FR
Recorder, flow, ratio	FFR
Recorder, flow, totalized	FQR
Recorder, force differential	WDR
Recorder, indicating, analyzer	AIR
Recorder, level	LR
Recorder, moisture	MR
Recorder, multivariable	UR
Recorder, position	ZR
Recorder, power	JR
Recorder, power, totalizing (incl watt-hr mtr)	JQR
Recorder, presence or state	YR
Recorder, pressure	PR@
Recorder, quantity	QR
Recorder, radiation	RR
Recorder, seismic	SESR
Recorder, special	XR
Recorder, speed	SR
Recorder, temperature	TR
Recorder, time	KR
Recorder, vibration	VR
Recorder, voltage	ER
Recorder, weight or force	WR
Rectifier	RECT
Refrigeration unit, air (with compressor and condensing coil; see also CRA, CRAC)	RUA
Regulating Device	90
Regulator, gas bottle	REG
Regulator, gas, district	DGRS
Regulator, natural gas	NGRS
Regulator, pressure, gas	RPG

Regulator, pressure, water	RPW
Regulator, voltage	RV
Relay or Relay Module (TA-55 only, others use specific type)	RLY
Relay, AC Directional Overcurrent	67
Relay, AC Reclosing	79
Relay, AC Time Overcurrent	51
Relay, Alarm	74
Relay, analyzer	AY
Relay, Annunciator	30
Relay, Automatic Selective Control or Transfer	83
Relay, Blocking	68
Relay, burner	BY
Relay, Carrier/Pilot-Wire Receiver	85
Relay, Checking or Interlocking	3
Relay, current	IY
Relay, Current Balance	61
Relay, DC Overcurrent	76
Relay, DC Reclosing	82
Relay, deviation	ZDY
Relay, differential pressure	PDY
Relay, Differential Protective	87
Relay, differential temperature	TDY
Relay, Directional Power	32
Relay, Distance	21
Relay, Exciter or DC Generator	53
Relay, Field	40
Relay, Field Application	56
Relay, flow, quantity	FQY
Relay, flow, rate	FY
Relay, force differential	WDY
Relay, Frequency	81
Relay, Ground Detector (Not CT Secondary)	64
Relay, Incomplete Sequence	48
Relay, Instantaneous Overcurrent (OC)	50
Relay, level	LY
Relay, Locking-Out	86
Relay, Machine or Transformer Thermal	49
Relay, multivariable	UY
Relay, Out-of-Step Protective Phase-Angle Measuring	78
Relay, Overvoltage	59
Relay, Phase Discordance Handling Unit	95
Relay, Phase-Balance Current or Reverse-Phase	46
Relay, Phase-Sequence Voltage	47
Relay, position	ZY
Relay, power	JY
Relay, Power Factor	55
Relay, presence or state	YY
Relay, pressure	PY
Relay, protective	PR
Relay, quantity	QY
Relay, radiation	RY
Relay, Rectifier Failure	58
Relay, speed	SY
Relay, Static Breaker Failure	24
Relay, temperature	TY
Relay, time	KY
Relay, Time-Delay Starting or Closing	2
Relay, Time-Delay Starting or Closing	62
Relay, Tripping	94
Relay, Undercurrent or Underpower	37
Relay, Undervoltage	27
Relay, Unit Sequence Starting	44
Relay, vibration analysis	VY
Relay, voltage	EY
Relay, Voltage and Power Directional	92

Relay, Voltage Directional	91
Relay, Voltage or Current Balance	60
Relay, weight or force	WY
Remote I/O Adaptor Module	IOM
Remote terminal unit	RTU
Residual Gas Analyzer	RGA
Resin	RESN
restraint (e.g., strapping, banding, netting, film, chain)	RSTRNT
Reverse osmosis unit	ROU
Rheostat	70
Rigging (slings, shackles, etc)	RGNG
Road & park lots, paved (legacy)	RPP
Road & park lots, unpaved (legacy)	RUP
Road block, electric	RBE
Road block, hydraulic	RBH
Road, local (incl. driveways)	RDLOC
Road, primary (arterial)	RDPRM
Road, secondary (collector)	RDSEC
Road, unpaved	RDUP
Robotic Material Handler, manipulator, master-slave	RMHND
Roller, metal forming	RMF
Roof section	RS
Rupture disk or disc	RPD
Safe	SAFE
Safety device, pressure (rupture disk) RPD preferred	PSE
Safety device, temperature (fusible link)	TSE
Sample Port or sampler	SAMP
Sampler, Fixed Head Air (see Fixed Head Air Sampler, FAS)	
Sand blaster	SBL
Sander	SD
Saw	SAW
Screen, bar, mechanical	SB
Screwdriver, torque	TQS
Scrubber	SCB
Scrubber, fume	SF
Seal or sealing containment ring (or gasket)	SEAL
Self Contained Breathing Apparatus	SCBA
Sensor, generic (use specific element where possible)	SNSR
Separator	SEP
Separator, oil	SO
Shaker, graphite	SG
Shear, metal cutting	SMC
Shelves or shelf	SHLO
Shielding, radioactive or other (also see Plug)	SHLD
Shower enclosure (general use)	SHR
Shower, decontamination	SHD
Shower, safety	SHS
Shredder	SHRDR
Sidewalk	SDWLK
Sight glass, burner	BG
Sight glass, flow	FG
Sight glass, level	LG
Sign (traffic, reflectors, etc.)	SIGN
Sign, radar speed, permanent	RSPERM
Sign, radar speed, portable	RSPORT
Signal, traffic	TRSGNL
Sink	SNK
Siren	S
Slinger, water spray	SLW
Smoke detector (see Detector, smoke)	
Soil (dirt cover)	SOIL
Solution assay instrument	SAI
Spacer	SPCR
Speaker	SPK

Sprinkler (head)	SRNK
Sprinkler, anti-freeze	SPF
Sprinkler, deluge	SPDEL
Sprinkler, dry pipe	SPD
Sprinkler, dry/preaction combined	SPDA
Sprinkler, preaction	SPA
Sprinkler, wet pipe	SPW
Stack, exhaust	ES
Standpipe	SPH
Standpipe, dry (manual)	SPHD
Starter, motor	MSTR
Starter, pneumatic	PSTART
Static var compensator or control system	SVC
Station (except breathing air)	STA
Station, breathing air	BAS
Sterilizer, UV (see Light, UV)	
Strainer	SCR
Strike, door (e.g., electric; some legacy use of DS, but use STRIKE)	STRIKE
Substation (HV)	SUB
Substation, unit, secondary [integrated assy w/ fused MV interrupter switch(es), power xfmr(s), swgear, breakers, and a LV swgear assy.]	SUS
Substructure (e.g., bridge, slab, foundation)	SUBSTR
Superstructure (e.g., bridge)	SPRSTR
Support Mechanism (e.g., HVAC seismic restraint)	MCSUPP
Support or Stand (GB, etc.)	SPRT
Surge protective device (lightning suppressor or arrester, all voltages)	SPDE
Switch, analyzer	AS
Switch, analyzer, high	ASH
Switch, analyzer, high or low	ASHL
Switch, analyzer, low	ASL
Switch, Automatic Transfer (see Switch, Transfer, Auto)	
Switch, burner, high	BSH
Switch, burner, high low	BSHL
Switch, burner, low	BSL
Switch, conductivity	CS@
Switch, current	IS
Switch, current, high	ISH
Switch, current, high or low	ISHL
Switch, current, low	ISL
Switch, deviation, high	ZDSH
Switch, deviation, low	ZDSL
Switch, enclosed (see Disconnect, circuit)	
Switch, flow	80
Switch, flow	FS@
Switch, flow (TA-55, not preferred)	FSW
Switch, flow, high	FSH
Switch, flow, high or low	FSHL
Switch, flow, low	FSL
Switch, flow, quantity, high	FQSH
Switch, flow, quantity, low	FQSL
Switch, flow, ratio	FFS
Switch, flow, ratio, high	FFSH
Switch, flow, ratio, low	FFSL
Switch, flow, totalized	FQS
Switch, force differential, high	WDSH
Switch, force differential, low	WDSL
Switch, generic (use specific where possible)	SW
Switch, hand (single throw or push button; for selectors use hand-off-auto HOA)	HS
Switch, hand off auto or selector	HOA
Switch, indicating, analyzer	AIS
Switch, indicating, conductivity	CIS
Switch, indicating, current	IIS

Switch, indicating, flow	FIS
Switch, indicating, hand	HIS
Switch, indicating, level	LIS
Switch, indicating, moisture	MIS
Switch, indicating, pressure	PIS
Switch, indicating, pressure differential	PDIS
Switch, indicating, pressure differential, high	PDISH
Switch, indicating, pressure differential, low	PDISL
Switch, indicating, radiation	RIS
Switch, indicating, special	XIS
Switch, indicating, speed	SIS
Switch, indicating, temperature	TIS
Switch, indicating, time	KIS
Switch, indicating, totalizing, flow	FQIS
Switch, indicating, vibration	VIS
Switch, indicating, voltage	EIS
Switch, indicating, weight or force	WIS
Switch, indicating, zone or position	ZIS
Switch, level	71
Switch, level	LS
Switch, level, high	LSH
Switch, level, high or low	LSHL
Switch, level, low	LSL
Switch, line	89
Switch, magnetic, balanced (e.g., door)	BMS
Switch, manual transfer (see Switch, transfer, man)	
Switch, moisture	MS@
Switch, pad mounted (MV, has 1 or more interrupter switches)	SPM
Switch, position (HV)	33
Switch, position (limit), closed (ZSO if open)	ZSC
Switch, position (limit, including tamper or supervisory or supervised)	ZS
Switch, position, high	ZSH
Switch, position, high or low	ZSHL
Switch, position, low	ZSL
Switch, power	JS
Switch, power, high	JSH
Switch, power, high or low	JSHL
Switch, power, low	JSL
Switch, presence or state, high	YSH
Switch, presence or state, low	YSL
Switch, pressure	PS@
Switch, pressure (HV)	63
Switch, pressure differential	PDS
Switch, pressure differential, high	PDSH
Switch, pressure differential, low	PDSL
Switch, pressure, high	PSH
Switch, pressure, high or low	PSHL
Switch, pressure, low	PSL
Switch, quantity, high	QSH
Switch, quantity, high or low	QSHL
Switch, quantity, low	QSL
Switch, radiation, high	RSH
Switch, radiation, high or low	RSHL
Switch, radiation, low	RSL
Switch, recording, temperature	TRS@
Switch, shunting or discharge	17
Switch, speed	SS
Switch, speed, high	SSH
Switch, speed, high or low	SSHL
Switch, speed, low	SSL
Switch, tamper (TA-55 only, others use switch, pos -- ZS)	XZS
Switch, temperature	TS@
Switch, temperature differential	TDS

Switch, temperature differential, high	TDSH
Switch, temperature differential, low	TDSL
Switch, temperature, high	TSH
Switch, temperature, high or low	TSHL
Switch, temperature, low	TSL
Switch, time, high	KSH
Switch, time, high or low	KSHL
Switch, time, low	KSL
Switch, timer	KS
Switch, transfer, automatic	ATS
Switch, transfer, manual	MTS
Switch, transformer	ST
Switch, transmitting, indicating, analyzer	AITS
Switch, Unit Sequence	10
Switch, vacuum	SV
Switch, vibration	VS
Switch, vibration, high	VSH
Switch, vibration, high or low	VSHL
Switch, vibration, low	VSL
Switch, voltage, high	ESH
Switch, voltage, high or low	ESHL
Switch, voltage, low	ESL
Switch, weight or force, high	WSH
Switch, weight or force, high or low	WSHL
Switch, weight or force, low	WSL
Switchboard (NEMA)	SWBD
Switchgear (ANSI) with either breakers or fused interrupter switches	SWGR
Synchronizing or Synchronism-Check Drive	25
Synchroscope	SYN
System (for single CMMS entry for entire OPsystem or System)	SYS
Table	TBL
Tank	TK
Tank, acid or chemical	TAC
Tank, chemical injection	TCI
Tank, compressed air	TCA
Tank, condensate, flash	TCF
Tank, condensate, steam	TCS
Tank, condensate, water	TCW
Tank, expansion	TX
Tank, glycol	TG
Tank, hydraulic pressure	THP
Tank, oil	TO
Tank, potable water, storage	TPWS
Tank, refrigerant	TRC
Tank, retention or storage	TRS
Tank, separator, air	TSA
Tank, vacuum	TV
Tank, waste treatment	TWT
Tank, water, chilled or cooling	TWC
Tank, water, deionized or demineralized	TWD
Tank, water, hot	TWH
Tank, water, sealant	TWS
Telecom or data jack, or phone itself	TEL
Television	TELE
Terminal or screen, cathode ray tube or solid state	CRT
Test point or port, analyzer	AP
Test point or port, burner	BP
Test point or port, flow	FP@
Test point or port, pressure	PP@
Test point or port, temperature	TP
Test set, relay, overload, and or circuit breaker	CBT
Tester, balance	GX
Tester, gas (see Leak detector tester)	
Tester, torque	TQT

Thermal neutron counter	TNC
Thermocouple (see Primary element, temperature)	
Thermostat	TH
Toilet	TOILET
Tool or tooling	TOOL
Totalizer, current	IQ
Totalizer, flow	FQ
Totalizer, power, watt-hour	JWHQ
Totalizer, time	KQ
Totalizer, voltage	EQ
Tower, cooling	TC
Tower, electric, PNM LA	TLA
Tower, electric, PNM MP	TMP
Tower, electric, PNM NL	TNL
Tower, electric, PNM TE	TTE
Tractor	TRCTR
Traffic calming (hump, bump, table)	TRCALM
Trail	TRAIL
Trailer (if office, use BLDG)	TRLR
Transformer (LV, 480 or less)	XFMR
Transformer, distribution (MV)	XFRD
Transformer, power (HV)	XFRP
Transformer, rectifier	XFRR
Transmitter, analyzer	AT
Transmitter, burner	BT
Transmitter, conductivity	CT
Transmitter, current	IT
Transmitter, deviation	ZDT
Transmitter, differential pressure	PDT
Transmitter, differential temperature	TDT
Transmitter, flow	FT
Transmitter, flow, ratio	FFT
Transmitter, flow, totalizer	FQT
Transmitter, force differential	WDT
Transmitter, indicating, analyzer	AIT
Transmitter, indicating, burner	BIT
Transmitter, indicating, conductivity	CIT
Transmitter, indicating, current	IIT
Transmitter, indicating, deviation	ZDIT
Transmitter, indicating, differential pressure	PDIT
Transmitter, indicating, differential temperature	TDIT
Transmitter, indicating, flow	FIT
Transmitter, indicating, flow, quantity	FQIT
Transmitter, indicating, force differential	WDIT
Transmitter, indicating, level	LIT
Transmitter, indicating, moisture	MIT
Transmitter, indicating, position	ZIT
Transmitter, indicating, power	JIT
Transmitter, indicating, pressure	PIT
Transmitter, indicating, quantity	QIT
Transmitter, indicating, radiation	RIT
Transmitter, indicating, special	XIT
Transmitter, indicating, speed	SIT
Transmitter, indicating, temperature	TIT
Transmitter, indicating, time	KIT
Transmitter, indicating, vibration	VIT
Transmitter, indicating, voltage	EIT
Transmitter, indicating, weight or force	WIT
Transmitter, level	LT
Transmitter, moisture	MT
Transmitter, power	JT
Transmitter, power, watt-hour	JWHT
Transmitter, presence or state	YT
Transmitter, pressure	PT
Transmitter, Pulse	77
Transmitter, quantity	QT

Transmitter, radiation	RT
Transmitter, recording, analyzer	ART
Transmitter, recording, burner	BRT
Transmitter, recording, current	IRT
Transmitter, recording, deviation	ZDRT
Transmitter, recording, differential pressure	PDRT
Transmitter, recording, differential temperature	TDRT
Transmitter, recording, flow	FRT
Transmitter, recording, force differential	WDRT
Transmitter, recording, level	LRT
Transmitter, recording, position	ZRT
Transmitter, recording, power	JRT
Transmitter, recording, pressure	PRT
Transmitter, recording, quantity	QRT
Transmitter, recording, radiation	RRT
Transmitter, recording, speed	SRT
Transmitter, recording, temperature	TRT
Transmitter, recording, time	KRT
Transmitter, recording, vibration analysis	VRT
Transmitter, recording, voltage	ERT
Transmitter, recording, weight or force	WRT
Transmitter, special	XT
Transmitter, speed	ST@
Transmitter, temperature	TT
Transmitter, time	KT
Transmitter, time, totalized	KQT
Transmitter, vibration	VT
Transmitter, voltage	ET
Transmitter, weight or force	WT
Transmitter, zone or position	ZT
Trap	TRP
Trap primer	TRPPMR
Trap, grease	GT
Trap, steam	TS
Trolley	TRLY
Trolley Tunnel	TRLYT
Truck (pickup, flatbed, semi etc.)	TRUCK
Trunked radio	TRNKED
Tube trailer station	TBTRLS
Tunnel	TUNNEL
Turbine (including gas-driven power turbines)	TURB
Turbine, steam driven	TSD
Turntable	TTT
Ultrasonic cleaner or bath	USC
Uninterruptible power supply	UPS
Valve	V
Valve, air operated (TA-55 only, others use Valve, solenoid - SOV)	AOV
Valve, air relief (UI water distribution systems)	ARV
Valve, Air Vent	XVV
Valve, Alarm Check	XVAC
Valve, ball, air-operated	AOBV
Valve, ball, trunion	BVT
Valve, block	VB
Valve, block, hydrant	VBH
Valve, block, water	VBW
Valve, burner, gas	VBG
Valve, burner, oil	VBO
Valve, check (historical)	VC
Valve, check (preferred)	CV
Valve, control, deviation	ZDCV
Valve, control, differential pressure	PDCV
Valve, control, differential temperature	TDCV
Valve, control, flow	FCV
Valve, control, force	WCV
Valve, control, force differential	WDCV

Valve, control, indicating, flow	FICV
Valve, control, level	LCV
Valve, control, pressure	PCV
Valve, control, speed	SCV
Valve, control, temperature	TCV
Valve, control, timed	KCV
Valve, control, zone or position	ZCV
Valve, electrically operated	20
Valve, gate, aeration basin	VABG
Valve, gate, equalization basin	VEQG
Valve, inspector's test	XVIT
Valve, key, natural gas	KV
Valve, main steam	MS
Valve, motor-operated (an MOV)	VM
Valve, outside screw & yoke	OSY
Valve, post indicating	PIV
Valve, post indicating, annunciated	PIVA
Valve, pressure control (see Valve, control, pressure)	
Valve, pressure reducing	VPR
Valve, pressure relief (preferred acro for all RVs)	PRV
Valve, pressure safety (steam-air-gas service only) but see PRV	PSV
Valve, regulator, steam	RVS
Valve, solenoid	SOV
Variable air volume box	VAV
Variable air volume box with fan	FVAV
Vent	VENT
Vessel, pressure	VP
Vibration isolator	VIBI
Wall	WALL
Wall, retaining	RETWAL
Washer, air	WA
Water hammer arrestor	WHA
Water Motor Gong (flow alarm)	XWMG
Water softener	DWS
Water unit, deionized	DNZ
Weir gate, sludge	WGS
Welder, electric	EWM
Well, analyzer	AW
Well, burner	BW
Well, level	LW
Well, radiation	RW
Well, thermal (thermowell)	TW
Wig-wag gate or testing tool	WW
Window (bldg, shield, or vessel)	WDO
Workbench	WB
Wrench, torque	TQW
X-ray (security or process)	XRAY