

ESM Chapter 1 Section 230 Equipment and Component IDs

Att 1 Name Sort Print File 5/13/2010

ID	Equipment/Component Name (Default Sort)
ACTR	Actuator
AFD	Actuator, fire device
ADARMP	ADA ramp (bldg or sidewalk)
ACL	After cooler
AGT	Agitator
ACR	Air conditioner, refrigerant
ASE	Air sampler, exhaust stack
AES	Air-ejector, steam
ALM	Alarm
RLT	Alarm, access, red-light
AA	Alarm, analyzer
ALC	Alarm, carbon monoxide
AGA	Alarm, combustible gas
CA@	Alarm, conductivity
IA	Alarm, current
PDA	Alarm, differential pressure
FA	Alarm, flow
LA	Alarm, level
MA	Alarm, moisture
OIA	Alarm, oxygen, indicating
JA	Alarm, power
PA	Alarm, pressure
RA	Alarm, radiation
XA	Alarm, special (incl. refrigerant monitors and fire alarms at TA-55)
SA	Alarm, speed
TA	Alarm, temperature
VA	Alarm, vibration
EA	Alarm, voltage
ZA	Alarm, zone or position
AMP	Amplifier
AE	Analysis element (see Primary element, analyzer)
OI	Analyzer, oxygen
ANN	Annunciator
AFP	Argus Field Panel
ARMPL	Armor plate (e.g., ceiling)
ASSY	Assembly

ATT	Attenuator – sound, etc.
KARDEX	Automated storage and retrieval (Lektriever, Kardex)
BFP	Backflow preventer
BAL	Balance
BARR	Barrier (rail, bollard, jersey, etc.)
BTRY	Battery or battery box
BB	Battery, banked
FCPB	Battery, fire control panel
BERM	Berm
RE	Beta Detector
RE	Beta/Gamma Detector
BL	Blower
BV	Blower, vacuum
BHW	Boiler, hot water
BS	Boiler, steam
BWS	Boiler, water supply
NGN	Bottle, nitrogen
GB	Box, glove
XB	Box, intro (fume hood leading to glovebox)
JBOX	Box, junction
PBX	Box, pull
SWB	Box, standard waste
	breaker, circuit -- see circuit breaker
	Breathing air station (see Station, breathing air)
BRDG	Bridge
BLDG	Building incl. office trailer
BE	Burner Element
DB	Bus duct (aboveground) (TA-55 only uses as drop box)
DBPL	Bus Plug
SSBU	Bus, substation (HV)
BTN	Button, Push (switch)
CAB	Cabinet (including control)
CAGE	Cage (wire/fence or restraint)
CAMERA	Camera
CAP	Capacitor, non-pad mounted
CPMD	Capacitor, pad mounted
CRT	Cathode Ray Tube, Terminal
CPU	Central processing unit (computer)
CHAMB	Chamber
CB	Charger, battery
CHAS	Chassis (including ethernet)
CWA	Chiller, water, absorption
CWE	Chiller, water, evaporative

CWR	Chiller, water, refrigerant
52	Circuit breaker, AC
CBA	Circuit breaker, air (MV or HV)
7	Circuit Breaker, Anode
72	Circuit Breaker, DC
CBE	Circuit breaker, enclosed (NEMA AB 1 type)
22	Circuit Breaker, Equalizer
41	Circuit Breaker, Field
CBG	Circuit breaker, gas (MV or HV)
LVPCB	Circuit breaker, low voltage power
CBO	Circuit breaker, oil (MV or HV)
42	Circuit Breaker, Running
6	Circuit Breaker, Starting
CBV	Circuit breaker, vacuum (MV or HV)
CEO	Circuit, electric, overhead
CEU	Circuit, electric, underground
CO	Cleanout`
CCL	Coil, cooling
CCE	Coil, cooling, evaporative
CCG	Coil, cooling, glycol
HCL	Coil, heating
COL	Collector (e.g., drip or catch pan)
CD	Collector, dust
CW	Column, water
COMX	Communication, Special
COMPR	Compressor
CA	Compressor, air
CR	Compressor, refrigerant
CRU	Condensate recovery unit
COND	Condenser
CRA	Condenser, refrigerant, air-cooled
CRE	Condenser, refrigerant, evaporative
CTE	Condenser, turbine exhaust
CONN	Connector or coupling
CNTR	Contacto
93	Contacto, Field Changing
29	Contacto, Isolating
73	Contacto, Load-Resistor
4	Contacto, Master
19	Contacto, Starting-To-Running Transition
CONT	Container
CMS	Continuous Air Monitor (CAM) Supervisor Module
	Continuous Air Monitor (see Monitor, continuous air)
69	Control Device, Permissive

ACO	Control operator, analyzer
CCO	Control operator, conductivity
PDCO	Control operator, differential pressure
FCO	Control operator, flow
HCO	Control operator, hand
LCO	Control operator, level
PCO	Control operator, pressure
XCO	Control operator, special
SCO	Control operator, speed
TCO	Control operator, temperature
	Control panel -- see Panel, control
AIK	Control station, indicating, analyzer
BIK	Control station, indicating, burner
CIK	Control station, indicating, conductivity
IIC	Control station, indicating, current
PDIK	Control station, indicating, differential pressure
FIK	Control station, indicating, flow
MIK	Control station, indicating, moisture
JIK	Control station, indicating, power
XIK	Control station, indicating, special
SIK	Control station, indicating, speed
TIK	Control station, indicating, temperature
EIK	Control station, indicating, voltage
ARK	Control station, recording, analyzer
CRK	Control station, recording, conductivity
PDRK	Control station, recording, differential pressure
FRK	Control station, recording, flow
LRK	Control station, recording, level
XRK	Control station, recording, special
TRK	Control station, recording, temperature
AC	Control, analyzer
BC	Control, burner
CC	Control, conductivity
IC	Control, current
ZDC	Control, deviation
PDC	Control, differential pressure
TDC	Control, differential temperature
FC@	Control, flow
FFC	Control, flow, ratio
WDC	Control, force differential
HC	Control, hand
AIC	Control, indicating, analyzer
BIC	Control, indicating, burner
CIC	Control, indicating, conductivity
IIC	Control, indicating, current

ZDIC	Control, indicating, deviation
PDIC	Control, indicating, differential pressure
TDIC	Control, indicating, differential temperature
FIC	Control, indicating, flow
FFIC	Control, indicating, flow ratio
FQIC	Control, indicating, flow, quantity
WDIC	Control, indicating, force differential
HIC	Control, indicating, hand
LIC	Control, indicating, level
MIC	Control, indicating, moisture
JIC	Control, indicating, power
YIC	Control, indicating, presence or state
PIC	Control, indicating, pressure
QIC	Control, indicating, quantity
RIC	Control, indicating, radiation
XIC	Control, indicating, special
SIC	Control, indicating, speed
TIC	Control, indicating, temperature
KIC	Control, indicating, time
EIC	Control, indicating, voltage
WIC	Control, indicating, weight or force
ZIC	Control, indicating, zone or position
LC	Control, level
MC@	Control, moisture
JC	Control, power
YC	Control, presence or state
PC@	Control, pressure
RC	Control, radiation
ARC	Control, recording, analyzer
BRC	Control, recording, burner
CRC	Control, recording, conductivity
IRC	Control, recording, current
ZDRC	Control, recording, deviation
PDRC	Control, recording, differential pressure
TDRC	Control, recording, differential temperature
FRC	Control, recording, flow
FQRC	Control, recording, flow, quantity
FFRC	Control, recording, flow, ratio
WDRC	Control, recording, force differential
LRC	Control, recording, level
MRC	Control, recording, moisture
ZRC	Control, recording, position
JRC	Control, recording, power
PRC	Control, recording, pressure
QRC	Control, recording, quantity

RRC	Control, recording, radiation
XRC	Control, recording, special
SRC	Control, recording, speed
TRC@	Control, recording, temperature
KRC	Control, recording, time
ERC	Control, recording, voltage
WRC	Control, recording, weight or force
XC	Control, special
SC	Control, speed
TC@	Control, temperature
KC	Control, time
EC	Control, voltage
WC	Control, weight or force
ZC	Control, zone or position
CNTRLR	Controller (TA55 use only, others use specific kind)
CP	Controller, pneumatic
CPF	Controller, pneumatic, flow
PLC	Controller, programmable logic
CNV	Converter
CVVR	Conveyor
CAE	Cooler, air, evaporative
CAW	Cooler, air, water
WCR	Cooler, water (including drinking fountains)
CTPERM	Counter, permanent
CTPORT	Counter, portable
CRACK	Crack or Fissure in Building
CTO	Crane, bridge
CTG	Crane, gantry
CJ	Crane, jib
CRANE	Crane, mobile or fixed (use specific type where possible)
CM	Crane, monorail
CS	Crane, shop
CASD	Criticality Alarm Sys (CAS) Detector
CASR	Criticality Alarm Sys (CAS) Ratemeter
CRUC	Crucible
CURB	Curbing (asphalt, concrete)
CYL	Cylinder
DMP	Damper
DF	Damper, fire
DS	Damper, smoke
DAQ	Data Acquisition
DECK	Deck (e.g., bridge, roof)
DHM	Dehumidifier
DMN	Demineralizer

DMST	Demister
DSH	Desuperheater
28	Detector, Flame (e.g., boiler)
HD	Detector, heat (but XTS preferred)
XTS	Detector, Heat (XTS preferred)
RE	Detector, radiation
SMD	Detector, smoke
18A	Device, Accelerating
26	Device, Apparatus Thermal
38	Device, Bearing Protective
35	Device, Brush-Operating or Slip-Ring Short Circuiting
8	Device, Control Power Disconnecting
18D	Device, Decelerating
43	Device, Manual Trans/Select
34	Device, Master Sequence
NCD	Device, network communication
66	Device, Notching or Jogging
12	Device, Overspeed
36	Device, Polarity or Polarizing Voltage
9	Device, Reversing
31	Device, Separate Excitation
57	Device, Short-Circuiting or Grounding
15	Device, Speed or Frequency Matching
5	Device, Stopping
13	Device, Synchronous Speed
23	Device, Temperature Control
14	Device, Underspeed
DEWAR	Dewar
DIF	Diffuser
DAB	Diffuser, aeration basin
CDD	Disconnect, circuit (enclosed switch, safety switch)
DHO	Disconnect, hand-operated
DMO	Disconnect, motor-operated
MDS	Disinfection system, mixed-oxidant
DBD	Distribution Bus Duct
DR	Door
DAC	Door, air curtain
FDE	Door, fire, electrical
FDF	Door, fire, mechanical
FDC	Door, fire, structural
DM	Door, motorized
DRE	Door, roll-up, electric
DRH	Door, roll-up, hydraulic
DRM	Door, roll-up, manual

DRN	Drain
FD	Drain, floor
DWR	Drawer
	Drinking Fountain (see cooler, water)
	Dri-Train (see Dryer, catalyst)
DFL	Drive, fluid
VFD	Drive, variable frequency
DB	Drop Box (TA55 only)
DT	Drum Tumbler
55GAL	Drum, 55 gallon
85GAL	Drum, 85 gallon
DAD	Dryer, air, desiccant
DAR	Dryer, air, refrigerant
DDT	Dryer, catalyst (e.g., Dri-Train)
DUCT	Duct
DW	Dumbwaiter
	Earth (Snow) Moving Equipment (see Loader)
EG	Electro corrector, gas
ELEM	Element (electric, heating, etc.)
EE	Elevator, electric
EH	Elevator, hydraulic
	Enclosure -- see fume hood
ENG	Engine
HVYEQ	Equipment, Heavy
ESS	Equipment, surveillance
TSTEQ	Equipment, Test (only when no specific applies)
EVP	Evaporator
EXC	Exciter
EXC	Exciter, generator
	Exit Sign Non-Tritium (see Light, non-tritium)
	Exit Sign Tritium (see Light, tritium)
EXPJT	Expansion joint (piping, bridge)
EXT	Extinguisher, fire
EW	Eyewash
FPE	Fall protection equipment
FAN	Fan
FCU	Fan coil unit
FB	Fan, booster
FC	Fan, circulating
FCD	Fan, condenser
FCT	Fan, cooling tower
FE	Fan, exhaust
FEH	Fan, exhaust, fume hood
FRA	Fan, return or recirculation
FS	Fan, supply

FEN	Fence
FTB	Field termination box
XFC	Fill cup, sprinkler standpipe (funnel)
FLT	Filter (water etc.)
FF	Filter frame (see Frame, filter)
FAB	Filter, air, bag or box
FAL	Filter, air, charcoal
FAC	Filter, air, cleanable
FES	Filter, air, electrostatic
FAF	Filter, air, fire
FAH	Filter, air, HEPA
FAM	Filter, air, mat
FAP	Filter, air, pad
FAR	Filter, air, roughing
FO	Filter, oil
FRL	Filter, roll
AV	Final element, analyzer
BZ	Final element, burner
IZ	Final element, current
ZDV	Final element, deviation
PDV	Final element, differential pressure
TDV	Final element, differential temperature
FQV	Final element, flow, quantity
FV	Final element, flow, rate
FFV	Final element, flow, ratio
WDZ	Final element, force differential
HV@	Final element, hand
LV	Final element, level
UV	Final element, multivariable
ZV	Final element, position
JV	Final element, power
YZ	Final element, presence or state
PV@	Final element, pressure
QZ	Final element, quantity
RZ	Final element, radiation
SV@	Final element, speed
TV@	Final element, temperature
KV@	Final element, time
VZ	Final element, vibration analysis
EZ	Final element, voltage
WZ	Final element, weight or force
FDC@	Fire department connection
FSDC	Fire suppression dry chemical
EXS	Fire suppression extinguishing system, gaseous or halon
FSWC	Fire suppression wet chemical

FSWF	Fire suppression wet foam
FSWFA	Fire suppression wet foam preaction
FAS	Fixed Head Air Sampler
FXTR	Fixture
FLASHR	Flasher
FRKLFT	Forklift
FF	Frame, Filter
FH	Fume hood
	Fume hood exhaust (see fan, exhaust, hood)
OVEN	Furnace, Electric
FGF	Furnace, gas fired
FU	Fuse
TSE	Fusible Link (temperature safety device)
GC	Gas chromatograph
GE	Gate, electric
GH	Gate, hydraulic
GRBX	Gearbox
GEN	Generator
88	Generator, Auxiliary Motor or Motor
GDE	Generator, diesel engine
MG	Generator, motor
GNE	Generator, natural gas engine
PMG	Generator, permanent magnet
GNS	Generator, steam driven
GB	Glovebox
XB	Glovebox, introductory/exchange
65	Governor
GRD	Grille, register, diffuser, or louver (HVAC)
GRB	Grinder, belt
GRP	Grinder, pedestal
GRS	Grinder, surface
GFCI	Ground Fault Circuit Interrupter
	Ground, overcurrent trip (see Relay, AC)
HX	Heat exchanger
HXG	Heat exchanger, glycol
HXO	Heat exchanger, oil
HXR	Heat exchanger, refrigerant
HXS	Heat exchanger, steam
HXW	Heat exchanger, water
HTR	Heater (e.g., electric element)
HUE	Heater unit, air, electric
HUG	Heater unit, air, gas
HUI	Heater unit, air, infrared
HUS	Heater unit, air, steam
HSE	Heater unit, air, steam-electric

HUW	Heater unit, air, water
HDA	Heater, deaerating
HDG	Heater, duct, gas
HFH	Heater, feed water, high-pressure
HFI	Heater, feed water, intermediate-pressure
HFL	Heater, feed water, low-pressure
HWE	Heater, water, electric
HWG	Heater, water, gas
HWS	Heater, water, steam
HVA	Heating ventilation air conditioning unit
HVP	Heating Ventilation Plenum Frame (has coils; otherwise use frame, filter)
HV	Heating ventilation unit
HST	Hoist or winch (TA55 only; others use specific kind)
HE	Hoist or winch, electric
HM	Hoist or winch, manual
HP	Hoist or winch, pneumatic/hyd
	Hood, fume -- see fume hood
PSX	Hose
HTPLT	Hot Plate
	Hot water heater, potable (see Heater, hot water)
HAS	Humidifier, air, steam
HAW	Humidifier, air, water
HYD	Hydrant
HYDSYS	Hydraulic System
IMM	Ice maker machine
IGNTR	Igniter
AI	Indicator, analyzer
BI	Indicator, burner
CI	Indicator, conductivity
II	Indicator, current
ZDI	Indicator, deviation
PDI	Indicator, differential pressure
TDI	Indicator, differential temperature
FI	Indicator, flow
FFI	Indicator, flow, ratio
FQI	Indicator, flow, totalized
WDI	Indicator, force differential
GI	Indicator, ground
LI	Indicator, level
MI	Indicator, moisture
UI	Indicator, multivariable
PHI	Indicator, pH
JI	Indicator, power

YI	Indicator, presence or state
PI	Indicator, pressure
PDI	Indicator, pressure differential
QI	Indicator, quantity
RI	Indicator, radiation
XI	Indicator, special
SI	Indicator, speed
TI	Indicator, temperature
KI	Indicator, time
KQI	Indicator, time, totalized
VI	Indicator, vibration
EI	Indicator, voltage
WI	Indicator, weight or force
ZI	Indicator, zone or position
	Inspector Test Valve -- see Valve, Inspector's Test
INCLR	Intercooler
LIL	Interlock, laser
INVT	Inverter
LB	Isolator, level
JCP	Jet, condenser, priming
	Junction Box (see Box, junction)
KYBD	Keyboard
LADR	Ladder
LAT	Lathe
LCHR	Launcher
GXT	Leak detector or tester
LFT	Lift (use specific where possible)
SLS	Lift station, sewage
LME	Lift, materials, electric
LMH	Lift, materials, hydraulic
LMM	Lift, materials, mobile
LMP	Lift, materials, pneumatic
LPE	Lift, personnel, electric
LPG	Lift, personnel, gasoline
LPH	Lift, personnel, hydraulic
LPP	Lift, personnel, pneumatic
LEP	Lift, platform, electric
LWI	Lift, wheelchair, inclined
LWV	Lift, wheelchair, vertical
LTE	Light, emergency
LTNT	Light, exit, non-tritium
LTET	Light, exit, tritium
PLTLT	Light, pilot
LSS	Light, street
LUV	Light, ultraviolet (e.g., UV sterilization)

LF	Lighting fixture
	Lighting Panel (see Panel, lighting)
LN	Lighting, incandescent
LPT	Lightning protection
LVCCWU	Limited Volume Circulation Chilled Water Unit
LET	Line, electric, transmission
RLB	Load bank, resistance
LDC	Load cell
LDR	Loader or similar earth-mover
LMF	Lock, metal former
MACH	Machine
	Machine, Milling (see Milling Machine)
SMF	Main, force, sewage
MHE	Manhole, electric
MHS	Manhole, steam
MWW	Manhole, waste water
MANF	Manifold
MKGS	Markings (pavement or otherwise)
SPEC	Mass Spectrometer or other
1	Master Element
75	Mechanism, Position Changing
MBPERM	Message board, permanent
MBPORT	Message board, portable
MTR	Meter (generic)
MGD	Meter, gas, district
MGR	Meter, gas, revenue
MHT	Meter, humidity or temperature
MMO	Meter, megohm
MMD	Meter, multimeter, digital
MPH	Meter, pH
MW	Meter, water
MIKE	Microphone
MNC	Mill, numeric control
MM	Milling machine
MISC	Miscellaneous (check with Ch 1 POC before using)
MIX	Mixer (e.g., PA)
MC	Mixer, chemical
AM	Modifier, analyzer
CM@	Modifier, conductivity
IM	Modifier, current
PDM	Modifier, differential pressure
TDM	Modifier, differential temperature
FM	Modifier, flow
FFM	Modifier, flow, ratio
FQM	Modifier, flow, totalizer

PIM	Modifier, indicating, pressure
LM	Modifier, level
MM@	Modifier, moisture
JM	Modifier, power
PM	Modifier, pressure
RM	Modifier, radiation
XM	Modifier, special
SM	Modifier, speed
TM	Modifier, temperature
VM@	Modifier, vibration
EM	Modifier, voltage
WM	Modifier, weight or force
ZM	Modifier, zone or position
MON	Monitor
45	Monitor, atmospheric condition
CAM	Monitor, continuous air
	Monitor, continuous air- supervisor module (see CAM supervisor module)
39	Monitor, mechanical, condition
MO	Motor
MCC	Motor control center
MSTR	Motor Starter
MUF	Muffler
MUX	Multiplexer
NAA	Notification appliance, audio
NAAV	Notification appliance, audio visual
NAV	Notification appliance, visual
NZL	Nozzle
84	Operating Mechanism
OPG	Orifice plate, gas (RO preferred)
RO	Orifice, restricting
OVEN	Oven
PL and PNL	Panel (TA-55 legacy; use specific where possible)
CPL	Panel, control
CP	Panel, control (TA55 only; others use CPL)
FCP	Panel, control, fire
HCP	Panel, control, halon
EP	Panel, emergency power
LP	Panel, lighting (legacy; use PP now)
PP	Panel, power
PPDC	Panel, power, direct current
PKLOTP	Parking lot, paved
PKLOTU	Parking lot, unpaved
PAVEMT	Pavement (ashpalt, concrete)
FP	Penetration, Floor

WP	Penetration, Wall or Roof
PSD	Phase shifting device
	Pilot light (see Light, pilot)
PIPE	Pipe or piping
PPTT	Pipette
PLT	Plate
PLUG	Plug (shield, cable, etc.)
PE	Pole, electrical distribution
PDU	Power distribution unit
	Power Panel (see Panel, power)
JX	Power supply, electric
HPU	Power unit, hydraulic
DP	Press, drill
PH	Press, hydraulic
AE	Primary element, analyzer
BE	Primary element, burner
CE	Primary element, conductivity
IE	Primary element, current
ZDE	Primary element, deviation
PDE	Primary element, differential pressure
FE@	Primary element, flow
FQE	Primary element, flow, quantity
WDE	Primary element, force differential
LE	Primary element, level
ME	Primary element, moisture
PHE	Primary element, pH
JE	Primary element, power
PE@	Primary element, pressure
QE	Primary element, quantity
SESE	Primary element, seismic
XE	Primary element, special
SE	Primary element, speed
TE	Primary element, temperature (e.g., T/C, TC, TCP, thermocouple, thermistor)
KE	Primary element, time
VE	Primary element, vibration
EE@	Primary element, voltage
WRE	Primary element, wear
WE	Primary element, weight or force
ZE	Primary element, zone or position
PRNT	Printer or plotter
XHS	Pull Station, Fire Alarm (TA-55 only, others use pull box-- pbx)
P	Pump
PAC	Pump, acid or chemical
PBF	Pump, boiler feed

PCW	Pump, chilled or cooling water
PCR	Pump, circulating
PC	Pump, condensate
PCT	Pump, cooling tower
PDW	Pump, deionized water
PFP	Pump, fire protection
PFO	Pump, fuel oil
PG	Pump, glycol
PHW	Pump, hot water
PDH	Pump, hot water, domestic (potable)
PHO	Pump, hydraulic
PO	Pump, oil
PPB	Pump, pressure, boosting
PSA	Pump, sampler air
PSW	Pump, sealant water
PSR	Pump, sewage, raw
PS	Pump, sump
PTW	Pump, tempered water
PV	Pump, vacuum
PWT	Pump, waste treatment
PWS	Pump, water spray
RACK	Rack
RFIHD	Radio frequency inductively heated device
REAC	Reactor
RDR	Reader
AR	Recorder, analyzer
BR	Recorder, burner
CR@	Recorder, conductivity
IR	Recorder, current
ZDR	Recorder, deviation
PDR	Recorder, differential pressure
TDR	Recorder, differential temperature
FR	Recorder, flow
FFR	Recorder, flow, ratio
FQR	Recorder, flow, totalized
WDR	Recorder, force differential
AIR	Recorder, indicating, analyzer
LR	Recorder, level
MR	Recorder, moisture
UR	Recorder, multivariable
ZR	Recorder, position
JR	Recorder, power
JQR	Recorder, power, totalizing (incl watt-hr mtr)
YR	Recorder, presence or state
PR@	Recorder, pressure

QR	Recorder, quantity
RR	Recorder, radiation
SESR	Recorder, seismic
XR	Recorder, special
SR	Recorder, speed
TR	Recorder, temperature
KR	Recorder, time
VR	Recorder, vibration
ER	Recorder, voltage
WR	Recorder, weight or force
RECT	Rectifier
RUA	Refrigeration unit, air
90	Regulating Device
REG	Regulator, gas bottle
DGRS	Regulator, gas, district
NGRS	Regulator, natural gas
RPG	Regulator, pressure, gas
RPW	Regulator, pressure, water
RV	Regulator, voltage
RLY	Relay or Relay Module (TA-55 only, others use specific type)
67	Relay, AC Directional Overcurrent
79	Relay, AC Reclosing
51	Relay, AC Time Overcurrent
74	Relay, Alarm
AY	Relay, analyzer
30	Relay, Annunciator
83	Relay, Automatic Selective Control or Transfer
68	Relay, Blocking
BY	Relay, burner
85	Relay, Carrier/Pilot-Wire Receiver
3	Relay, Checking or Interlocking
IY	Relay, current
61	Relay, Current Balance
76	Relay, DC Overcurrent
82	Relay, DC Reclosing
ZDY	Relay, deviation
PDY	Relay, differential pressure
87	Relay, Differential Protective
TDY	Relay, differential temperature
32	Relay, Directional Power
21	Relay, Distance
53	Relay, Exciter or DC Generator
40	Relay, Field
56	Relay, Field Application
FQY	Relay, flow, quantity

FY	Relay, flow, rate
WDY	Relay, force differential
81	Relay, Frequency
64	Relay, Ground Detector (Not CT Secondary)
48	Relay, Incomplete Sequence
50	Relay, Instantaneous Overcurrent (OC)
LY	Relay, level
86	Relay, Locking-Out
49	Relay, Machine or Transformer Thermal
UY	Relay, multivariable
78	Relay, Out-of-Step Protective Phase-Angle Measuring
59	Relay, Overvoltage
95	Relay, Phase Discordance Handling Unit
46	Relay, Phase-Balance Current or Reverse-Phase
47	Relay, Phase-Sequence Voltage
ZY	Relay, position
JY	Relay, power
55	Relay, Power Factor
YY	Relay, presence or state
PY	Relay, pressure
PR	Relay, protective
QY	Relay, quantity
RY	Relay, radiation
58	Relay, Rectifier Failure
SY	Relay, speed
24	Relay, Static Breaker Failure
TY	Relay, temperature
KY	Relay, time
2	Relay, Time-Delay Starting or Closing
62	Relay, Time-Delay Starting or Closing
94	Relay, Tripping
37	Relay, Undercurrent or Underpower
27	Relay, Undervoltage
44	Relay, Unit Sequence Starting
VY	Relay, vibration analysis
EY	Relay, voltage
92	Relay, Voltage and Power Directional
91	Relay, Voltage Directional
60	Relay, Voltage or Current Balance
WY	Relay, weight or force
IOM	Remote I/O Adaptor Module
RTU	Remote terminal unit
RGA	Residual Gas Analyzer
RESN	Resin

ROU	Reverse osmosis unit
70	Rheostat
RGNG	Rigging (slings, shackles, etc)
RPP	Road & park lots, paved (legacy)
RUP	Road & park lots, unpaved (legacy)
RDLOC	Road, local (incl. driveways)
RDPRM	Road, primary (arterial)
RDSEC	Road, secondary (collector)
RDUP	Road, unpaved
RBE	Road-block, electric
RBH	Road-block, hydraulic
RMHND	Robotic Material Handler, manipulator, master-slave
RMF	Roller, metal forming
RS	Roof section
RPD	Rupture disk or disc
PSE	Safety device, pressure (rupture disk) RPD preferred
TSE	Safety device, temperature
SAMP	Sample Port or sampler
	Sampler, Fixed Head Air (see Fixed Head Air Sampler, FAS)
SBL	Sand blaster
SD	Sander
SAW	Saw
SB	Screen, bar, mechanical
TQS	Screwdriver, torque
SF	Scrubber, fume
SEAL	Seal or sealing containment ring
SCBA	Self Contained Breathing Apparatus
SNSR	Sensor, generic (use specific element where possible)
SEP	Separator
SO	Separator, oil
SG	Shaker, graphite
SMC	Shear, metal cutting
SHLO	Shelves or shelf
SHLD	Shielding, radioactive or other
SHD	Shower, decontamination
SHS	Shower, safety
SHRDR	Shredder
SDWLK	Sidewalk
BG	Sight glass, burner
FG	Sight glass, flow
LG	Sight glass, level
SIGN	Sign (traffic, reflectors, etc.)

RSPERM	Sign, radar speed, permanent
RSPORT	Sign, radar speed, portable
TRSGNL	Signal, traffic
SNK	Sink
S	Siren
SLW	Slinger, water spray
	Smoke detector (see Detector, smoke)
SOIL	Soil (dirt cover)
SPK	Speaker
SRNK	Sprinkler (head)
SPF	Sprinkler, anti-freeze
SPDEL	Sprinkler, deluge
SPD	Sprinkler, dry pipe
SPDA	Sprinkler, dry/preaction combined
SPA	Sprinkler, preaction
SPW	Sprinkler, wet pipe
ES	Stack, exhaust
SPH	Standpipe
SPHD	Standpipe, dry (manual)
MSTR	Starter, motor
PSTART	Starter, pneumatic
STA	Station (except breathing air)
BAS	Station, breathing air
	Sterilizer, UV (see Light, UV)
SCR	Strainer
SUB	Substation (HV)
SUS	Substation, unit, secondary [integrated assy w/ fused MV interrupter switch(es), power xfmr(s), swgear, breakers, and a LV swgear assy.]
SUBSTR	Substructure (e.g., bridge)
SPRSTR	Superstructure (e.g., bridge)
MCSUPP	Support Mechanism (e.g., HVAC seismic restraint)
SPRT	Support or Stand (GB, etc.)
SPDE	Surge protective device (lightning suppressor or arrester, all voltages)
AS	Switch, analyzer
ASH	Switch, analyzer, high
ASHL	Switch, analyzer, high or low
ASL	Switch, analyzer, low
	Switch, Automatic Transfer (see Switch, Transfer, Auto)
BSH	Switch, burner, high
BSHL	Switch, burner, high low
BSL	Switch, burner, low

CS@	Switch, conductivity
IS	Switch, current
ISH	Switch, current, high
ISHL	Switch, current, high or low
ISL	Switch, current, low
ZDSH	Switch, deviation, high
ZDSL	Switch, deviation, low
PDS	Switch, differential pressure
PDSH	Switch, differential pressure, high
PDSL	Switch, differential pressure, low
TDS	Switch, differential temperature
TDSH	Switch, differential temperature, high
TDSL	Switch, differential temperature, low
	Switch, enclosed (see Disconnect, circuit)
80	Switch, flow
FS@	Switch, flow
FSW	Switch, flow (TA-55, not preferred)
FSH	Switch, flow, high
FSHL	Switch, flow, high or low
FSL	Switch, flow, low
FQSH	Switch, flow, quantity, high
FQSL	Switch, flow, quantity, low
FFS	Switch, flow, ratio
FFSH	Switch, flow, ratio, high
FFSL	Switch, flow, ratio, low
FQS	Switch, flow, totalized
WDSH	Switch, force differential, high
WDSL	Switch, force differential, low
SW	Switch, generic (use specific where possible)
HS	Switch, hand (single throw or push button; for selectors use hand-off-auto HOA)
HOA	Switch, hand off auto or selector
AIS	Switch, indicating, analyzer
CIS	Switch, indicating, conductivity
IIS	Switch, indicating, current
PDIS	Switch, indicating, differential pressure
FIS	Switch, indicating, flow
HIS	Switch, indicating, hand
LIS	Switch, indicating, level
MIS	Switch, indicating, moisture
PIS	Switch, indicating, pressure
PDISH	Switch, indicating, pressure differential, high
PDISL	Switch, indicating, pressure differential, low
RIS	Switch, indicating, radiation
XIS	Switch, indicating, special
SIS	Switch, indicating, speed

TIS	Switch, indicating, temperature
KIS	Switch, indicating, time
FQIS	Switch, indicating, totalizing, flow
VIS	Switch, indicating, vibration
EIS	Switch, indicating, voltage
WIS	Switch, indicating, weight or force
ZIS	Switch, indicating, zone or position
71	Switch, level
LS	Switch, level
LSH	Switch, level, high
LSHL	Switch, level, high or low
LSL	Switch, level, low
ZS	Switch, limit, zone or position
89	Switch, line
	Switch, manual transfer (see Switch, transfer, man)
MS@	Switch, moisture
SPM	Switch, pad mounted (MV, has 1 or more interrupter switches)
33	Switch, position
ZS	Switch, position (including tamper or supervisory or supervised)
ZSH	Switch, position, high
ZSHL	Switch, position, high or low
ZSL	Switch, position, low
JS	Switch, power
JSH	Switch, power, high
JSHL	Switch, power, high or low
JSL	Switch, power, low
YSH	Switch, presence or state, high
YSL	Switch, presence or state, low
63	Switch, pressure
PS@	Switch, pressure
PDSH	Switch, pressure differential, high
PDSL	Switch, pressure differential, low
PSH	Switch, pressure, high
PSHL	Switch, pressure, high or low
PSL	Switch, pressure, low
QSH	Switch, quantity, high
QSHL	Switch, quantity, high or low
QSL	Switch, quantity, low
RSH	Switch, radiation, high
RSHL	Switch, radiation, high or low
RSL	Switch, radiation, low
TRS@	Switch, recording, temperature
17	Switch, shunting or discharge

SS	Switch, speed
SSH	Switch, speed, high
SSHL	Switch, speed, high or low
SSL	Switch, speed, low
XZS	Switch, tamper (TA-55 only, others use switch, pos -- ZS)
TS@	Switch, temperature
TSH	Switch, temperature, high
TSHL	Switch, temperature, high or low
TSL	Switch, temperature, low
KSH	Switch, time, high
KSHL	Switch, time, high or low
KSL	Switch, time, low
KS	Switch, timer
ATS	Switch, transfer, automatic
MTS	Switch, transfer, manual
ST	Switch, transformer
AITS	Switch, transmitting, indicating, analyzer
10	Switch, Unit Sequence
SV	Switch, vacuum
VS	Switch, vibration
VSH	Switch, vibration, high
VSHL	Switch, vibration, high or low
VSL	Switch, vibration, low
ESH	Switch, voltage, high
ESHL	Switch, voltage, high or low
ESL	Switch, voltage, low
WSH	Switch, weight or force, high
WSHL	Switch, weight or force, high or low
WSL	Switch, weight or force, low
SWBD	Switchboard (NEMA)
SWGR	Switchgear (ANSI) with either breakers or fused interrupter switches
25	Synchronizing or Synchronism-Check Drive
SYN	Synchroscope
SYS	System (for single CMMS entry for entire OPsystem or subsystem)
TBL	Table
TK	Tank
TAC	Tank, acid or chemical
TCI	Tank, chemical injection
TCA	Tank, compressed air
TCF	Tank, condensate, flash
TCS	Tank, condensate, steam
TCW	Tank, condensate, water
TX	Tank, expansion

TG	Tank, glycol
THP	Tank, hydraulic pressure
TO	Tank, oil
TPWS	Tank, potable water, storage
TRC	Tank, refrigerant
TRS	Tank, retention or storage
TSA	Tank, separator, air
TV	Tank, vacuum
TWT	Tank, waste treatment
TWC	Tank, water, chilled or cooling
TWD	Tank, water, deionized or demineralized
TWH	Tank, water, hot
TWS	Tank, water, sealant
TEL	Telephone
TELE	Television
TBLK	Terminal block
AP	Test point or port, analyzer
BP	Test point or port, burner
FP@	Test point or port, flow
PP@	Test point or port, pressure
TP	Test point or port, temperature
CBT	Test set, relay, overload, and or circuit breaker
GX	Tester, balance
	Tester, gas (see Leak tester)
TQT	Tester, torque
	Thermocouple (see Primary element, temperature)
TH	Thermostat
TOILET	Toilet
TOOL	Tool or tooling
IQ	Totalizer, current
FQ	Totalizer, flow
JWHQ	Totalizer, power, watt-hour
KQ	Totalizer, time
EQ	Totalizer, voltage
TC	Tower, cooling
TLA	Tower, electric, PNM LA
TMP	Tower, electric, PNM MP
TNL	Tower, electric, PNM NL
TTE	Tower, electric, PNM TE
TRCTR	Tractor
TRCALM	Traffic calming (hump, bump, table)
TRAIL	Trail
TRLR	Trailer (if office, use BLDG)
XFMR	Transformer (LV, 480 or less)
XFRD	Transformer, distribution (MV)

XFRP	Transformer, power (HV)
XFRR	Transformer, rectifier
AT	Transmitter, analyzer
BT	Transmitter, burner
CT	Transmitter, conductivity
IT	Transmitter, current
ZDT	Transmitter, deviation
PDT	Transmitter, differential pressure
TDT	Transmitter, differential temperature
FT	Transmitter, flow
FFT	Transmitter, flow, ratio
FQT	Transmitter, flow, totalizer
WDT	Transmitter, force differential
AIT	Transmitter, indicating, analyzer
BIT	Transmitter, indicating, burner
CIT	Transmitter, indicating, conductivity
IIT	Transmitter, indicating, current
ZDIT	Transmitter, indicating, deviation
PDIT	Transmitter, indicating, differential pressure
TDIT	Transmitter, indicating, differential temperature
FIT	Transmitter, indicating, flow
FQIT	Transmitter, indicating, flow, quantity
WDIT	Transmitter, indicating, force differential
LIT	Transmitter, indicating, level
MIT	Transmitter, indicating, moisture
ZIT	Transmitter, indicating, position
JIT	Transmitter, indicating, power
PIT	Transmitter, indicating, pressure
QIT	Transmitter, indicating, quantity
RIT	Transmitter, indicating, radiation
XIT	Transmitter, indicating, special
SIT	Transmitter, indicating, speed
TIT	Transmitter, indicating, temperature
KIT	Transmitter, indicating, time
VIT	Transmitter, indicating, vibration
EIT	Transmitter, indicating, voltage
WIT	Transmitter, indicating, weight or force
LT	Transmitter, level
MT	Transmitter, moisture
JT	Transmitter, power
JWHT	Transmitter, power, watt-hour
YT	Transmitter, presence or state
PT	Transmitter, pressure
77	Transmitter, Pulse
QT	Transmitter, quantity

RT	Transmitter, radiation
ART	Transmitter, recording, analyzer
BRT	Transmitter, recording, burner
IRT	Transmitter, recording, current
ZDRT	Transmitter, recording, deviation
PDRT	Transmitter, recording, differential pressure
TDRT	Transmitter, recording, differential temperature
FRT	Transmitter, recording, flow
WDRT	Transmitter, recording, force differential
LRT	Transmitter, recording, level
ZRT	Transmitter, recording, position
JRT	Transmitter, recording, power
PRT	Transmitter, recording, pressure
QRT	Transmitter, recording, quantity
RRT	Transmitter, recording, radiation
SRT	Transmitter, recording, speed
TRT	Transmitter, recording, temperature
KRT	Transmitter, recording, time
VRT	Transmitter, recording, vibration analysis
ERT	Transmitter, recording, voltage
WRT	Transmitter, recording, weight or force
XT	Transmitter, special
ST@	Transmitter, speed
TT	Transmitter, temperature
KT	Transmitter, time
KQT	Transmitter, time, totalized
VT	Transmitter, vibration
ET	Transmitter, voltage
WT	Transmitter, weight or force
ZT	Transmitter, zone or position
TRP	Trap
GT	Trap, grease
TS	Trap, steam
TRLY	Trolley
TRLYT	Trolley Tunnel
TRUCK	Truck (pickup, flatbed, semi etc.)
TBTRLS	Tube trailer station
CRT	Tube, cathode ray
Tunnel	Tunnel
TSD	Turbine, steam driven
TTT	Turntable
USC	Ultrasonic cleaner or bath
UPS	Uninterruptible power supply
V	Valve
AOV	Valve, air operated (TA-55 only, others use Valve, solenoid - SOV)

XVV	Valve, Air Vent
XVAC	Valve, Alarm Check
AOBV	Valve, ball, air-operated
BVT	Valve, ball, trunion
VB	Valve, block
VBH	Valve, block, hydrant
VBW	Valve, block, water
VBG	Valve, burner, gas
VBO	Valve, burner, oil
VC	Valve, check (historical)
CV	Valve, check (preferred)
ZDCV	Valve, control, deviation
PDCV	Valve, control, differential pressure
TDCV	Valve, control, differential temperature
FCV	Valve, control, flow
WCV	Valve, control, force
WDCV	Valve, control, force differential
FICV	Valve, control, indicating, flow
LCV	Valve, control, level
PCV	Valve, control, pressure
SCV	Valve, control, speed
TCV	Valve, control, temperature
KCV	Valve, control, timed
ZCV	Valve, control, zone or position
20	Valve, electrically operated
VABG	Valve, gate, aeration basin
VEQG	Valve, gate, equalization basin
XVIT	Valve, inspector's test
KV	Valve, key, natural gas
MS	Valve, main steam
VM	Valve, motor-operated (an MOV)
OSY	Valve, outside screw & yoke
PIV	Valve, post indicating
PIVA	Valve, post indicating, annunciated
	Valve, pressure control (see Valve, control, pressure)
VPR	Valve, pressure reducing
PRV	Valve, pressure relief (liquid), preferred acro for all RVs
PSV	Valve, pressure safety (steam-air-gas service) see PRV
RVS	Valve, regulator, steam
SOV	Valve, solenoid
VAV	Variable Air Volume box
VENT	Vent
VP	Vessel, pressure

VIBI	Vibration isolator
WALL	Wall
RETWAL	Wall, retaining
WA	Washer, air
XWVG	Water Motor Gong (flow alarm)
DWS	Water softener
DNZ	Water unit, deionized
WGS	Weir gate, sludge
EWM	Welder, electric
AW	Well, analyzer
BW	Well, burner
LW	Well, level
RW	Well, radiation
TW	Well, thermal (thermowell)
WW	Wig-wag gate or testing tool
WDO	Window (bldg, shield, or vessel)
TQW	Wrench, torque
XRAY	X-ray (security or process)