

IRT C.P. Panel Boxes are designed and manufactured with high quality materials to provide reliability and longevity in protecting industry assets and our environment. Our panel boxes are offered with a multitude of design features and configurations to meet the specific requirements of our customer's Cathodic Protection applications.

FEATURES

- Enclosure type varies based on application requirement; most common types are:
 - Type 3R; with powder coated mill galvanized steel construction; stainless steel hardware; single lockable door; wall or frame mounting
 - Type 4X; with superior UV protected fiberglass reinforced polyester (FRP) construction; stainless steel hardware; single lockable door; wall or frame mounting.

Other enclosure types, materials, finishes and classifications are available



- Standard and customized panel configurations for current monitoring, current splitting, current control, interference control, testing and application specific requirements are available
- Electrical hardware is brass or copper with electroless nickel plated finish
- Electrical connections are double-nutted



Products to protect your assets and our environment!



C.P. Junction Panel Box Model Coding

CA3 - 05 - B2AWN H - 0.5-150



APPLICATION

C - CURRENT CONTROL
M - CURRENT MONITORING
S - CURRENT SPLITTER
T - POTENTIAL TEST (See Note 1)
X - CUSTOM TYPE

POLARITY TYPE

A - ANODE
N - NOT APPLICABLE
S - STRUCTURE

ENCLOSURE

3 - STANDARD VENTED (NEMA 3R)
F - FIBERGLASS (NEMA 4X)
H - HAZARDOUS LOCATION (NEMA 8)
N - NOT REQUIRED (Panel Only)
S - STAINLESS STEEL (NEMA 4X)
X - SPECIAL (Please Specify)

CIRCUIT QUANTITY

- NUMBER OF CIRCUITS

INPUT TERMINAL SIZE (See Note 2)

A - #4-14 AWG
B - 1/0-#6 AWG
C - 4/0-#2 AWG
M - #6-14 MULTI-TERMINAL BAR
N - NOT APPLICABLE
X - SPECIAL (Please Specify)

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SHUNT

J - TYPE "JB" (0.010 Ohm - 8 Ampere)
N - NOT APPLICABLE
R - TYPE "RS" (0.010 Ohm - 8 Ampere)
S - TYPE "SS" (0.001 Ohm - 25 Ampere)
W - TYPE "SW" (50 millivolt Block Style) (See Note 3)
X - SPECIAL (Please Specify)

METERING

A - AMMETER (Individual Circuits Only)
B - AMMETER & VOLTMETER (See Note 4)
N - NOT REQUIRED
P - POTENTIAL METER
T - AMMETER (Individual Circuits & Input (Total))

ADJUSTMENT TYPE

E - SLIDE-WIRE RESISTOR
H - RHEOSTAT
N - NOT REQUIRED

RESISTANCE VALUE

- # - RESISTANCE - WATTAGE
(i.e. 0.5 Ohms - 150 Watts) (see sample coding)

General Notes:

- 1.) The Application Code "T" may be used in conjunction with the other Application codes if reference cell terminals are required. A standard "T" code would include (1) reference cell and (1) structure sense lug terminal. If multiple reference cell lug terminals are required, please specify quantity. For example, an MTAF-5/3-BAWNN junction box code would indicate (5) anode circuits and (3) reference cell terminals with (1) structure sense lug terminal.
- 2.) If more than one input lug terminal is required, it should be indicated here (see sample coding).
- 3.) For "SW" type shunts, the amperage rating must be provided when ordering. Typical sizes are 5A-50mV, 10A-50mV, & 50A-50mV.
- 4.) Voltmeter is only available for junction boxes with both a positive and negative terminal connection.