

**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









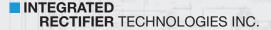
- Standard and customized panel configurations for current monitoring, current splitting, current control, interference control, testing and application specific requirements are available
- Electrical hardware is brass or copper with electroless nickel plated finish
- Electrical connections are double-nutted

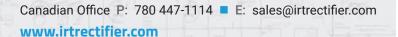






Products to protect your assets and our environment!







# C.P. Junction Panel Box Model Coding

# CA3 - 05 - B2AWNH - 0.5-150 APPLICATION POLARITY TYPE ADJUSTMENT TYPE ADJUSTMENT TYPE METERING CIRCUIT QUANTITY INPUT TERMINAL SIZE

# **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)

# CIRCUIT TERMINAL SIZE

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)

### **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 REOUIRED

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.