Assembly Instructions

Two-Wire Solid State Reed Switch
Quick Connect: MDFQ
Pig Tail Lead: MDF, MDFX

SWITCH MOUNTING INSTRUCTIONS

NOTE: Maximum torque on set screw is .170 N-m (1.5 in-lbs.). Do not overtorque.

ELECTRICAL SPECIFICATIONS

Circuit ..................................Normally Open
Input Voltage ................................ 10 to 28 VDC
Current Rating ................................. 50 mA
Voltage Drop ................................. 2.85 Volts, max.
Off State Leakage ......................... 0.1 mA
Turn ON/OFF Time ...................... 1 mS

Operating Temperature .................-10° to 70°C
                                      14° to 158°F
Enclosure .................................. IEC IP67
LED Indicator .................................. Red
Over Voltage Protected

PIN AND WIRE ASSIGNMENTS

MDFQ

8mm Female Connector

PIN 1 – BROWN – POSITIVE
PIN 3 – BLUE – NEGATIVE / NEUTRAL
PIN 4 – BLACK – OUTPUT
(NOT USED FOR TWO WIRE SWITCHES)

Model "C" - 2m Cable
Model "CX" - 5m Cable

Face View of Male Connector

1. POSITIVE / HOT
2. NEGATIVE / NEUTRAL
3. OUTPUT
4. NOT CONNECTED FOR 2 WIRE SWITCH MODELS

MDF, MDFX

Reverse Polarity Not Protected

On Quick Connect switch models, connect only the Blue and Brown wires on the mating cable and cut back the Black wire. Do not connect switch to a mating cable that has been previously wired for a three-wire solid state switch as it will short the MDFQ switch.
Assembly Instructions

Two-Wire Solid State Reed Switch
Quick Connect: MDFQ-90
Pig Tail Lead: MDF-90, MDFX-90

**SWITCH MOUNTING INSTRUCTIONS**

**NOTE:** Maximum torque on set screw is .170 N-m (1.5 in-lbs.). Do not overtorque.

**ELECTRICAL SPECIFICATIONS**

- **Circuit:** Normally Open
- **Input Voltage:** 10 to 28 VDC
- **Current Rating:** 50 mA
- **Voltage Drop:** 2.85 Volts, max.
- **Off State Leakage:** 0.1 mA
- **Turn ON/OFF Time:** 1 mS
- **Operating Temperature:** -10° to 70°C (14° to 158°F)
- **Enclosure:** IEC IP67
- **LED Indicator:** Red
- **Over Voltage Protected**

**PIN AND WIRE ASSIGNMENTS**

- **MDFQ-90**
  - **8mm Female Connector**
    - PIN 1 – BROWN – POSITIVE
    - PIN 3 – BLUE – NEGATIVE / NEUTRAL
    - PIN 4 – BLACK – OUTPUT
    - (NOT USED FOR TWO WIRE SWITCHES)
  - **Model "C"** - 2m Cable
  - **Model "CX"** - 5m Cable

- **MDF-90, MDFX-90**
  - **Face View of Male Connector**
    - 1. POSITIVE / HOT
    - 3. NEGATIVE / NEUTRAL
    - 4. OUTPUT
    - (NOT CONNECTED FOR 2 WIRE SWITCH MODELS)

Reverse Polarity Not Protected

On Quick Connect switch models, connect only the Blue and Brown wires on the mating cable and cut back the Black wire. Do not connect switch to a mating cable that has been previously wired for a three-wire solid state switch as it will short the MDFQ switch.