



## MITP MANUAL

**DESCRIPTION** The MITP interface module is designed to convert a 4-20mA signal to a fast pulsed 4VDC signal capable of driving up to two Solid State Relays (SSR's) and features a 63-100% output limit adjustment. The MITP is designed to mount directly on the input terminals of a standard Solid State Relay and is self powered eliminating the need for an external power supply and additional wiring.

### INSTALLATION



**WARNING: FIRE HAZARD!!** Even the best electronic components CAN FAIL SHORTED, KEEPING FULL POWER ON! Provide a completely SEPARATE (redundant) OVER TEMPERATURE SHUTDOWN MEANS to switch power off if safe temperature is exceeded.



**WARNING: HIGH VOLTAGE!!** This control must be installed in a GROUNDED enclosure by a qualified electrician. Provide a safety interlock on door to remove power before gaining access to device.

**ELECTRICAL CONNECTIONS** See "WIRING DIAGRAM" on back. Wiring must be performed in accordance with any and all applicable local and national codes.

### SPECIFICATIONS

INPUT SIGNAL: ..... 4-20mA linear (6VDC min. source supply)

4-20mA INPUT TERMINAL TORQUE RATING: 5 in-lbs

OUTPUT SIGNAL: ..... 0-4VDC (fast pulsed)

ISOLATION: ..... None (isolation is provided via SSR)

POWER REQUIREMENT: ..... None (passive from 4-20mA input)

WEIGHT: ..... <1 lb.

**WARRANTY** All Avatar Instruments products carry a full three year, from date of purchase, parts and labor warranty against component failure and defects in workmanship. In the event your controller fails to perform properly, **contact Avatar to obtain a return authorization number**. Controllers sent to Avatar for warranty service that have no apparent defect will be treated as a standard repair and a \$50.00 charge will be applied. Avatar will repair or replace any unit that failed due to defective parts or assembly. This warranty DOES NOT cover damage due to shipping, abuse, misapplication or operation beyond specified rating. Avatar is not responsible for any subsequent or other damage experienced in use of this device.



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# PHYSICAL DIMENSIONS & WIRING DIAGRAMS MITP

