

DC Alarm/Controller,Single Input/Output

A. Operation, Maintenance Installation Instructions

1.The assembly consists of a chassis, plug-in function module,two plug-in relay's, and if applicable, a 115 VAC/24plug-in power supply. Prime power requirement is a maximum of 3 watts. Voltage regulation must by +-10% of 115 VAC or 24 VDC, depending on assembly. Ambient temperature should not exceed 120 deg. F.

2.The function module has two field adjustments: Trip point and Deadband. For Dial Option Modules, the Trip point adjustment is made by setting ten turn potentiometers to the percent of span readings on the dial. The Deadband setting may be set the same way unless it is a blind 15 turn screwdriver adjustment. In which case you need a signal simulator.The factory setting for blind adjustments is 2% of input span.

3 To determine alarm action see the serialized nameplate attached to the side of the function module. The zero and full-scale values of the input signal are given. Also note if the alarm action is High Trip or Low Trip. On High Level alarm action, the Deadband action is below the trip point. For Low Level alarm action the Deadband action is above the trip point. If the Inverse option is in use, the relay will de-energize for an alarm condition, otherwise it will energize for an alarm condition.

4a.With the deadband at zero or factory cal setting, adjust the trip points at the desired level of input signal. On the dial options this is the dial reading corresponding to percent of input signal span.

4b.Set the deadband, if required, to a percent of input signal span for the desired alarm dropout point above or below the trip point. The set point does not require readjustment since there is no interaction between deadband and set point adjustments.

4c.If assembly does not function, check the fuse on the 115 VAC/24 VDC power supply, if applicable or check 24 VDC power input for correct polarity and voltage level.

4d.For other information on the particular alarm assembly, consult the wiring and schematic diagram drawings (WSD drawing) furnished with the equipment.

4e.For service, call or write the Manufacturer at:

AGM Electronics Inc., P.O. Box 32227, Tucson AZ 85751-2227

(520)722-1000, Fax (520)722-1045, E-Mail agmelect@csi.com

B Parts List

- nameplate
1. DC Alarm/Controller,Single Input/Output - See Serillized
 2. 115 VAC/24 VDC Power Supply TA 4552 (if applicable)
 3. Fuse (115 VAC powered assy. only) Littlefuse #273.200
Fuse (Multi-channel assy's only) (See WSD drawings)
 4. Diode (Multi-channel assy's only) (See WSD drawings)
 5. Mother Board PCB # (See no. etched on board)

Last Rewrite 10/13/00

6. Relay

(See WSD drawings)

C. Recommended Spare Parts List

Fuse, 1 each @ \$5.00 * Available locally or 1 week from the
factory.

* Reference only, price subject to change