1. INSTALLATION

The information covered in this manual vary from different DIN case sizes refer to section 10. Some installation details vary between models. These differences have been clearly shown.

Note: The functions described in sections 2 thru 9 are common to all models. Installing Option Module A:

Panel-Mounting

The mounting panel must be rigid, and may be up to 6.0mm (0.236"") thick. Cutout dimensions are:

Cut-Out Dim A

1/2" A = 45mm, 1" A = 92mm

Cut-Out Dim B

1/2" B = 45mm, 1" B = 92mm

For n multiple instruments mounted side-by-side, cut-out A is 48mm (1/2" A) or 96mm (1" A) plus 25mm (1") between.

Mounting Panel

Hold instrument firmly in position (apply pressure to bezel only)

CAUTION: Do not remove the panel gasket; it is a seal against dust and moisture.

To access modules 1, 2 or 3, first detach the PSU and CPU boards from the front by lifting the upper, and then lower mounting struts. Gently separate the boards. a. Plug the required option module into the correct connectors, as shown below.

b. Locate the module lugs into the corresponding slot on the opposite board. Hold the board and lugs together while reattaching the mounting struts. The actual configuration of mounting panel until housing towards rear face of mounting panel until the lugs positioned in the gaskets and instruments are clamped in position.

CAUTION: Refer to sections 4 thru 5 of this manual when installing the CPU PCB. The CPU PCB contains an optical module, which must be installed before mounting the CPU PCB. Refer to the CPU PCB connections in section 4.2.5.

2. SELECT MODE

Select mode is used to access the configuration and operation menu functions. It can be accessed at any time by holding down Esc and pressing Enter. Select mode requires no special panel setup. Press to select an output, then press Enter to proceed.

3. CONFIGURATION

For selecting Configuration mode from Select mode (refer to section 21). Press to scroll through the parameters, then press to select the value. Parameters will revert to the previous value. To exit from Configuration mode, hold down Esc and press Enter to return to Select mode.

Note: Parameters displayed depends on how instrument has been configured. Refer to user guide (available from your supplier) for further details. Parameters marked * are Setup Mode.

4. OPERATING PANEL

Select mode is used to access the configuration and operation menu functions. It can be accessed at any time by holding down Esc and pressing Enter. Select mode requires no special panel setup. Press to select an output, then press Enter to proceed.

Options A are used to set alarm limits and other functions. These diagrams show all possible option combinations. The actual connections required depend on the exact model and options fitted.

Note: This controller uses the 10-Pin Stepping Control. This requires two identical outputs (2 Relays, 2 Trains, 2 SSR Drives or 1 Dual Relay) for the valve Open Close functions. See Operating Panel 1-2 of Configuration Mode.

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Note: This controller uses the 10-Pin Stepping Control. This requires two identical outputs (2 Relays, 2 Trains, 2 SSR Drives or 1 Dual Relay) for the valve Open Close functions. See Operating Panel 1-2 of Configuration Mode.
4. SETUP MODE

Note: Configuration must be completed before Adjusting Setup parameters.

First select Setup mode from Select mode (see section 2). The MAIN LED will light when in Setup mode. Press [P] to scroll through the parameters, then press [P] to return to the selected parameter.

To exit from Setup mode, hold down [P] and press [P] to return to Select mode.

Note: Parameters displayed are those that have been configured.

5. PRODUCT INFORMATION MODE

Note: Configuration information from Select mode can be accessed when in Setup mode (see section 2).

Press [P] to view each parameter. From Product Information mode, select Setup mode.

Note: Parameters listed will only be read.

6. OPERATOR MODE PARAMETERS

These messages indicate that an error has occurred, or there is a problem with the process variable input or control signal. Do not continue until the process is resolved.

7. MESSAGES & ERROR INDICATIONS

These messages indicate that an error has occurred, or there is a problem with the process variable input or control signal. Do not continue until the process is resolved.

8. SERIAL COMMUNICATION

Parameter Lower Upper Display Adjustments & Description Default Value
Remote Auxiliary Input Range ... -10 V DC input 0
0 to 10 V DC input 0
0 to 500 mV DC input 0
0 to 100 mVDC input 0
Available on all Aus. -10 to 500 mVDC input 0
Remote SP Lower Limit ... -100 to -999 Remote SP Min input -100
Remote SP Upper Limit ... -100 to -999 Remote SP Max input -100
Configuration Low Code 0 to 9999 Unlock Code for this mode 0

5. SETUP MODE

Note: Configuration must be completed before Adjusting Setup parameters. First select Setup mode from Select mode (see section 2). The MAIN LED will light when in Setup mode. Press [P] to scroll through the parameters, then press [P] to return to the selected parameter. To exit from Setup mode, hold down [P] and press [P] to return to Select mode.

Note: Parameters displayed are those that have been configured.

6. PRODUCT INFORMATION MODE

Note: Configuration information from Select mode can be accessed when in Setup mode (see section 2). Press [P] to view each parameter. From Product Information mode, select Setup mode.

Note: Parameters listed will only be read.

7. MESSAGES & ERROR INDICATIONS

These messages indicate that an error has occurred, or there is a problem with the process variable input or control signal. Do not continue until the process is resolved.

8. SERIAL COMMUNICATION

Note: Configuration and Mode parameters must be set as required before starting operation.

Note: All Configuration mode and Setup mode parameters must be set as required before starting operation.

Note: All Configuration mode and Setup mode parameters must be set as required before starting operation.