OP1371-V02

selec

MV & MA SERIES
Operating Instructions

96 x 96mm

72 x 72mm

48 x 96mm

96 x 96mm

72 x 72mm

48 x 96mm

B054CH ?A420DC8>=B

All safety related codifications, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If the equipment is not used in a manner specified by the manufacturer it might impair the protection provided by the equipment.

- Do not use the equipment if there is any mechanical damage.
- Ensure that the equipment is supplied with correct voltage.

⚠ CAUTION

1. Read complete instructions prior to installation and operation of the unit.
2. Risk of electric shock.
3. The equipment in its installed state must not come in close proximity to any heating sources, caustic vapors, oils, steam, or other unwanted process by products.

F8A8=6 6D834;8=4B

⚠ WARNING

1. To prevent the risk of electric shock, power supply to the equipment must be kept OFF while doing the wiring arrangement.
2. Wiring shall be done strictly according to the terminal layout. Confirm that all connections are correct.
3. Use lugged terminals.
4. To reduce electromagnetic interference use of wires with adequate ratings and twists of the same in equal size shall be made with shortest connections.
5. Layout of connecting cables shall be away from any internal EMI source.
6. Cable used for connection to power source, must have a Cross section of 0.5mm^2 to 2.5mm^2(20 to 14AWG; 75°C(min)). These wires shall have current carrying capacity of 7.5A.
7. Copper cable should be used (Stranded or Single core cable)
8. Before attempting work on device, ensure absence of voltages using appropriate voltage detection device.

8=BC;C8>= 6D834;8=4B

⚠ CAUTION :

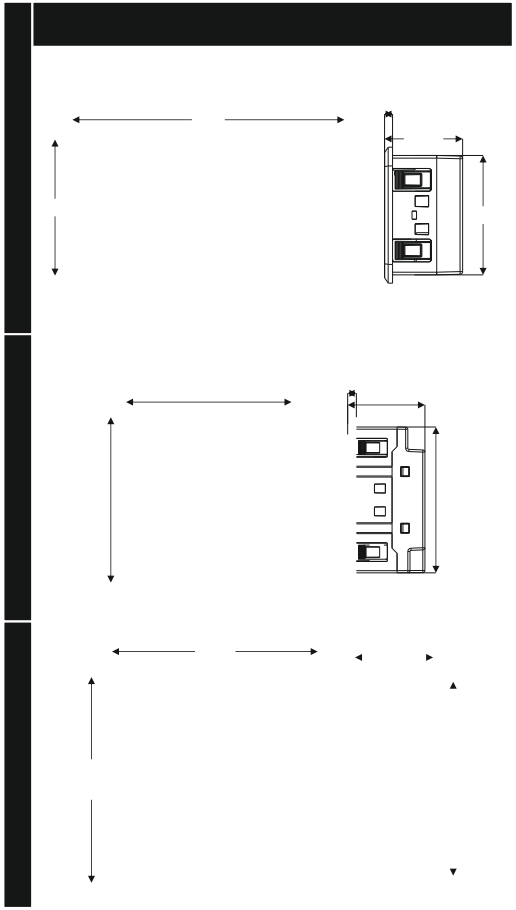
1. This equipment, being built-in-type, normally becomes a part of main control panel and in such case the terminals do not remain accessible to the end user after installation and internal wiring.
2. Conductors must not come in contact with the internal circuitry of the equipment or else it may lead to a safety hazard that may in turn endanger life or cause electrical shock to the operator.
3. Circuit breaker or mains switch must be installed between power source and supply terminals to facilitate power 'ON' or 'OFF' function. However this switch or breaker must be installed in a convenient position normally accessible to the operator.
4. Before disconnecting the secondary of the external current transformer from the equipment, make sure that the current transformer is short circuited to avoid risk of electrical shock and injury.
5. The equipment shall not be installed in environmental conditions other than those mentioned in this manual.
6. The equipment does not have a built-in-type fuse. Installation of external fuse of rating 275V AC/0.5A for electrical circuitry / battery is highly recommended.

<4270=8200;8CBC=

For installing the meter:

1. Prepare the panel cutout with proper dimensions as shown below.
2. Push the meter into the panel cutout. Secure the meter in its place by pushing it into panel cutout.
3. For proper sealing, tighten the screws evenly with required torque.
   Terminal screw tightening torque :
   0.68 N-m to 0.79 N-m (6.018 In-Lb to 6.992 In-Lb)
   Screw clamp tightening torque : 0.1N-m (0.885 Lb-inch)

MAINTENANCE

1. The equipment should be cleaned regularly to avoid blockage of ventilating parts.
2. Clean the equipment with a clean dry or damp cloth. Do not use any cleaning agent other than water.

For mounting and demounting of the meter, prepare the panel cutout with proper dimension as per below