Addendum – Environmental Applications





OPHW (OPHC)

OPJW (OPJC)

Note: This addendum is to be used in conjunction with the Installation & Instruction Manual supplied with the operator. Waterproof or Corrosionproof operators are built with TEFC or TENV electric motors including a Watertight/Oil tight control enclosure, Nema4/12 or NEMA4X 3 push-button control station. For a general information, refer to Installation and Instruction Manual supplied with the operator.



GENERAL

DIMENSIONS (OPHW)



TO REDUCE THE RISK OF SEVERE INJURY OR DEATH, READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS SUPPLIED WITH THE OPERATOR

IMPORTANT

• CONDUITS AND FITTINGS FOR CONTROL BOX

Compared to NEMA1 enclosures, the NEMA4/12 or NEMA4X enclosures are not supplied with pre-punched fitting entry holes to attach fittings for incoming power and other different accessories. All appropriate holes and cuttings should be performed by the customer.

• Conduits and Fittings:

Always use liquid-tight and flexible non-metallic conduits and fittings for that purpose. Use proper and appropriate cutting tools or jigs to cut the holes. While inserting the conduit to the fitting, ensure that the gland is properly compressed or the conduit jacket is not cut or ripped anywhere to avoid liquid leaking-in.

NOTE: Use materials as per NEMA guidelines and always follow manufactures instructions for conduit preparation.



GROUND THE UNIT CORRECTLY USING THE GROUND LUG LOCATED INSIDE THE OPERATOR CONTROL BOX

RADIO RECEIVER

In NEMA4/12 or NEMA4X applications, no terminal strip is provided on the side the controlbox. If a 3-pin Radio Control unit is being used, for a hardwired unit, the radio receiver should be connected directly to the main terminal strip. In case of an ECB unit, appropriate terminals are provided on the electronic board to connect the radio receiver. Radio Receiver should be located in a remote or protected area to avoid damage caused by liquid immersion.

Please refer to the drawings below for wiring instructions.

ELECTRONIC CONTROL BOARD



Connection Instructions

From ECB	To Radio Receiver
#COM	#1 (24 VOLTS)
#O/C	#2 (RELAY)
#24 V	#3 (COM OR GROUND)

HARDWIRED OPERATOR

Connection Instructions

From Terminal Strip	To Radio Receiver
# 7 (COM)	#1 (24 VOLTS)
#8 (O/C)	#2 (RELAY)
#9 (24 V)	#3 (COM OR GROUND)

IMPORTANT NOTE: For MCR-32 Model Receivers, please refer to the Technical Note supplied with the unit.







Single phase ECB wiring diagram



3 - phase ECB wiring diagram



Hardwired single-phase wiring diagram



