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Rev	Description	Date	APVD

**Revision History**

- Power Supply: 110-120V AC or 220-240V AC
- S1: Local/Remote Selector Switch
  - S2: OPEN / OFF / CLOSE Selector Switch
  - PE: Protective Earth
  - H: Heater
  - HT: Heater Thermostat
  - MT: Motor Thermostat
  - M: Motor
  - LS1: Limit Switch for OPEN (5A/250V AC)
  - LS2: Limit Switch for CLOSE (5A/250V AC)
  - LS3: SPDT Auxiliary Limit Switch (5A/250V AC)
  - LS4: SPDT Auxiliary Limit Switch (5A/250V AC)
  - TS: Torque Switch (optional)
  - LR: Local Remote Contact (optional)
  - RY1: Alarm Relay (optional)

- Notes:**
- 1) "L" connects to 4, "N" connects to 5.
  - 2) Modulating Board:  
Input Signal : 4-20mA, 2-10V.  
Output Signal : 4-20mA, 2-10V.  
(shielding wire not to exceed 30m / 98 ft.)
  - 3) Local / Remote Switches  
Select "Remote" Mode : Controlled by signal.  
Select "Local" Mode : Controlled by S2.
  - 4) Use less than 5A current for "A,B,C,D,E,F".
  - 5) #16 connects with #18: local control feedback.
  - 6) #16 connects with #17: remote control feedback.
  - 7) #13 connects with #15: alarm feedback.
  - 8) Wiring is shown with Actuator Fully Closed.
  - 9) **Applicable to Actuator models iVQ-E to N.**



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**DESCRIPTION:**  
 110/220V AC Modulating with Heater,  
 Thermostat, Auxiliary Switches, 4-20mA  
 Feedback and Local Control Unit 75% Duty

**WIRING DIAGRAM CODE:** RE    **DATE:** APR. 21/2019  
**WIRING DIAGRAM NO.:** Q-2FL21N3N-1