



- ① IRRIGATION CONTROLLER:  
RAIN BIRD IQ ESP-LXMEF SATELLITE CONTROLLER WITH FLOW SMART MODULE AND IQ NCC RS232 CARTRIDGE IN LXMM METAL CABINET WITH OUTSIDE WALL MOUNT. INSTALL CONTROLLER AND CABINET ON WALL PER MANUFACTURER'S RECOMMENDATIONS.
- ② JUNCTION BOX
- ③ 1-INCH CONDUIT AND FITTINGS TO POWER SUPPLY
- ④ POWER SUPPLY WIRE
- ⑤ 1-INCH CONDUIT AND FITTINGS FOR RS232 SERIAL CABLE TO IQ CENTRAL CONTROL COMPUTER
- ⑥ RS232 SERIAL CABLE TO IQ CENTRAL CONTROL COMPUTER (MAXIMUM LENGTH 50 FEET)
- ⑦ 2-INCH CONDUIT AND FITTINGS FOR STATION WIRES
- ⑧ MASTER VALVE AND REMOTE CONTROL VALVE WIRES
- ⑨ FLOW SENSOR WIRE (PE 39, 89 OR 54) TO FLOW SENSOR

NOTES:

- 1. IQ ESP-LXMEF CONTROLLER IS AVAILABLE IN 8- OR 12-STATION BASE MODELS. ADDITIONAL MODULES IN 4-, 8- AND 12-STATION VERSIONS MAY BE ADDED TO BRING THE CONTROLLER UP TO 48 STATIONS MAXIMUM.
- 2. FOR EASE OF INSTALLATION INTO A CONTROLLER WITH MORE THAN 24 STATIONS, INSTALL A JUNCTION BOX AT THE BASE OF CONTROLLER AND TRANSITION LARGER VALVE AND COMMON WIRES FROM FIELD TO 18 AWG MULTI CONDUCTOR WIRE TO BE USED IN CONTROLLER.
- 3. USE STEEL CONDUIT FOR ABOVE GRADE AND SCH 40 PVC CONDUIT FOR BELOW GRADE CONDITIONS.
- 4. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.
- 5. USE PE-CABLE WITH SHORT HAUL MODEMS FOR INSTANCES WHERE CONTROLLER IS MORE THAN 50 FEET FROM IQ CENTRAL CONTROL COMPUTER.

**IQ ESP-LXMEF SATELLITE CONTROLLER  
WITH FLOW SMART MODULE**

**AND IQ NCC RS232 CARTRIDGE  
IN METAL CABINET**

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N.T.S.

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