



- ① IRRIGATION CONTROLLER:
RAIN BIRD IQ ESP–LXMEF SATELLITE CONTROLLER WITH IQ FLOW SMART CONNECTION MODULE AND IQ NCC RS232 CARTRIDGE IN LXMM METAL CABINET AND LXMPED METAL PEDESTAL. INSTALL CONTROLLER, CABINET AND PEDESTAL PER MANUFACTURER’S RECOMMENDATIONS.
- ② CONCRETE PAD: 6–INCH MINIMUM THICKNESS
- ③ FINISH GRADE
- ④ POWER SUPPLY WIRE
- ⑤ 1–INCH SCH 40 PVC CONDUIT, FITTINGS AND SWEEP ELL TO POWER SUPPLY
- ⑥ COMPACTED SUBGRADE
- ⑦ RS232 SERIAL CABLE TO IQ CENTRAL CONTROL COMPUTER (MAXIMUM LENGTH 50 FEET)
- ⑧ 1–INCH SCH 40 PVC CONDUIT, FITTINGS AND SWEEP ELL FOR RS232 SERIAL CABLE TO IQ CENTRAL CONTROL COMPUTER
- ⑨ PE–CABLE OR Y–CABLE FOR EXTERNAL RADIO TO CLIENT SATELLITE CONTROLLERS
- ⑩ 1–INCH SCH 40 PVC CONDUIT, FITTINGS AND SWEEP ELL FOR COMMUNICATION CABLE TO CLIENT SATELLITE CONTROLLERS
- ⑪ 3–INCH SCH 40 PVC CONDUIT, FITTINGS AND SWEEP ELL FOR STATION WIRES
- ⑫ FLOW SENSOR WIRE (PE 39, 89 OR 54) TO FLOW SENSOR
- ⑬ MASTER VALVE AND REMOTE CONTROL VALVE WIRES

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. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.
4. 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 IQ FLOW SMART CONNECTION MODULE
AND IQ NCC RS232 CARTRIDGE
IN METAL PEDESTAL**

1-12-11

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N.T.S.