



- ① IRRIGATION CONTROLLER:
RAIN BIRD IQ ESP-LXMEF SATELLITE CONTROLLER WITH FLOW SMART MODULE AND IQ NCC GPRS CARTRIDGE IN LXMM METAL CABINET WITH OUTSIDE WALL MOUNT. INSTALL CONTROLLER AND CABINET ON WALL PER MANUFACTURER'S RECOMMENDATIONS.
- ② CELLULAR ANTENNA:
RAIN BIRD IQEXTANGP GPRS/CELLULAR EXTERNAL ANTENNA (FOR USE WITH LXMM METAL CABINET ONLY)
- ③ JUNCTION BOX
- ④ 1-INCH CONDUIT AND FITTINGS TO POWER SUPPLY
- ⑤ POWER SUPPLY WIRE
- ⑥ 2-INCH CONDUIT AND FITTINGS FOR STATION WIRES
- ⑦ MASTER VALVE AND REMOTE CONTROL VALVE WIRES
- ⑧ 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. OWNER IS RESPONSIBLE FOR PROVIDING CELLULAR SERVICE CAPABLE OF INTERFACING WITH NCC GPRS CARTRIDGE. INSTALL CONTROLLER IN A LOCATION TO MAXIMIZE ANTENNA RECEPTION. CONDUCT A SURVEY OF THE SITE TO ASSURE A VIABLE AND CONSISTENT CELLULAR CONNECTION BEFORE INSTALLING CONTROLLER.

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

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N.T.S.

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

1-12-11