



- ① TWO-WIRE DECODER CONTROLLER:  
RAIN BIRD IQ ESP-LXD SATELLITE TWO-WIRE DECODER CONTROLLER WITH IQ CONNECTION MODULE AND IQ NCC GPRS CARTRIDGE IN LXMM METAL CABINET AND LXMPED METAL PEDESTAL. INSTALL CONTROLLER, CABINET AND PEDESTAL PER MANUFACTURER'S RECOMMENDATIONS.
- ② CELLULAR ANTENNA:  
RAIN BIRD IQEXTANGP GPRS/CELLULAR EXTERNAL ANTENNA (FOR USE WITH LXMM METAL CABINET ONLY)
- ③ CONCRETE PAD:  
6-INCH MINIMUM THICKNESS
- ④ FINISH GRADE
- ⑤ POWER SUPPLY WIRE
- ⑥ 1-INCH SCH 40 PVC CONDUIT, FITTINGS AND SWEEP ELL FOR POWER SUPPLY
- ⑦ COMPACTED SUBGRADE
- ⑧ PE-CABLE OR Y-CABLE FOR EXTERNAL RADIO TO CLIENT SATELLITE CONTROLLERS
- ⑨ 1-INCH SCH 40 PVC CONDUIT, FITTINGS AND SWEEP ELL FOR COMMUNICATION CABLE TO CLIENT SATELLITE CONTROLLERS
- ⑩ 3-INCH SCH 40 PVC CONDUIT, FITTINGS AND SWEEP ELL FOR TWO-WIRE CABLE
- ⑪ MAXICABLE TWO-WIRE PATH TO DECODERS  
USE A DIFFERENT CABLE JACKET COLOR FOR EACH PATH

NOTES:

- 1. IQ ESP-LXD CONTROLLER COMES WITH 50 STATIONS AVAILABLE. TWO ADDITIONAL 75 STATION ESPLXD-SUM75 MODULES MAY BE ADDED TO EXPAND THE CONTROLLER UP TO 200 TOTAL STATIONS.
- 2. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.
- 3. 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-LXD SATELLITE TWO-WIRE DECODER CONTROLLER WITH IQ CONNECTION MODULE**

1-10-11

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

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N.T.S.