



- ① TWO-WIRE DECODER CONTROLLER:  
RAIN BIRD IQ ESP-LXD SATELLITE TWO-WIRE DECODER CONTROLLER WITH 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 3-INCH SCH 40 PVC CONDUIT, FITTINGS AND SWEEP ELL FOR TWO-WIRE CABLE
- ⑩ 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. USE PE-CABLE WITH SHORT HAUL MODEMS FOR INSTANCES WHERE CONTROLLER IS MORE THAN 50 FEET FROM IQ CENTRAL CONTROL COMPUTER.

**IQ ESP-LXD SATELLITE  
TWO-WIRE DECODER CONTROLLER  
WITH IQ NCC RS232 CARTRIDGE  
IN METAL PEDESTAL**

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N.T.S.

1-10-11