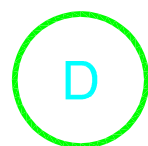


- ① TWO-WIRE DECODER CONTROLLER:  
RAIN BIRD ESP-LXD CONTROLLER
- ② TWO-WIRE CABLE TO ESP-LXD CONTROLLER
- ③ COMMUNICATION WIRE TO  
ESP-LXD CONTROLLER
- ④ SOLENOID VALVE OR MASTER VALVE  
(1 OF 2)
- ⑤ SOLENOID WIRE (1 OF 4)
- ⑥ DB SERIES WIRE CONNECTOR:  
RAIN BIRD DBTWC25 (1 OF 4)
- ⑦ FIELD DECODER;  
RAIN BIRD FD-102TURF M13004 DECODER
- ⑧ COMMUNICATION WIRE TO NEXT DEVICE  
(FIELD DECODER, SENSOR DECODER  
OR LINE SURGE PROTECTOR)
- ⑨ TWO-WIRE CABLE TO NEXT DEVICE  
(FIELD DECODER, SENSOR DECODER  
OR LINE SURGE PROTECTOR)

NOTES:

- 1. MAXIMUM LENGTH OF SECONDARY WIRE PATH (14 AWG) FROM DECODER TO SOLENOID IS 450 FEET.
- 2. IF OPERATING TWO VALVES PER DECODER ADDRESS, CALCULATE THE DISTANCE OF EACH OF THE TWO VALVES FROM THE DECODER AND ADD THE DISTANCES TOGETHER. THE TOTAL DISTANCE MUST NOT EXCEED 450 FEET.



**FD-102TURF DECODER**

N.T.S.

**WIRING TO VALVES AND CONTROLLER**

11-22-10