



- ① RAIN BIRD SMALL DECODER INTERFACE (SDI)
- ② COMMUNICATION WIRE (BLACK) TO MSP-1 SURGE ARRESTOR AND FROM MSP-1 SURGE ARRESTOR TO FIELD DECODERS
- ③ SYSTEM GROUND WIRE (GREEN) TO GROUNDING BUSS BAR
- ④ COMMUNICATION WIRE (RED) TO MSP-1 SURGE ARRESTOR AND FROM MSP-1 SURGE ARRESTOR TO FIELD DECODERS
- ⑤ 24 VAC POWER SUPPLY
- ⑥ RAIN BIRD MSP-1 RECOMMENDED SURGE ARRESTOR
- ⑦ JUNCTION BOX – SIZE AS REQUIRED
- ⑧ CONDUIT (SIZE AS REQUIRED)
- ⑨ REFER TO LOCAL ELECTRIC CODE FOR CONNECTIONS
- ⑩ RAIN BIRD WARRANTY REQUIRES PROPER SURGE PROTECTION. USE INTERMATIC AG2401 OR TRIPPLITE ISOBAR
- ⑪ GROUNDING BUSS BAR (SEE NOTE FOR SIZING)
- ⑫ #10 COPPER GROUND WIRE FROM GROUNDING BUSS BAR TO GROUNDING GRID (SEE GROUNDING GRID SITECONTROL DETAIL 305)
- ⑬ TO TWO-WIRE CABLE. PROVIDE CONNECTION FROM BLACK AND RED WIRES TO TWO-WIRE COMMUNICATION CABLE.
- ⑭ 24 VOLT EXTERNAL TRANSFORMER
- ⑮ MAINS GROUND PLUGGED INTO UTILITY GROUND. MUST BE KEPT SEPARATE FROM SYSTEM GROUND

NOTES:

1. PROVIDE A SEPARATE MSP-1 FOR EACH PAIR OF COMMUNICATION WIRES USED. SIZE GROUNDING BUSS BAR SUCH THAT THE GREEN WIRES FROM EACH MSP-1 HAVE THEIR OWN GROUNDING LUG.
2. THE SDI/LDI IS NOT RATED FOR OUTDOOR USE.
3. GROUNDING GRID TO HAVE A RESISTANCE OF TEN (10) OHMS OR LESS.

CHOOSING OPTIONS

CHOOSE EITHER SDI OR LDI BY TURNING ON THE APPROPRIATE LAYER:

SDI
OPTION-SDI

LDI
OPTION-LDI

TO TURN OFF THIS INSTRUCTION BOX, TURN OFF LAYER "INSTRUCT-OPTION".

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SITECONTROL SDI/LDI - WALL MOUNT

N.T.S.

DIRECT CONNECT - IN
TWO-WIRE PATH - OUT

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