



- NOTES:
1. 1 WIRE PATH = 28 CHANNELS. TO OBTAIN 56 CHANNELS INPUT SOFTWARE KEY. INSTALL EXTRA BOARD AND INPUT SOFTWARE KEY FOR 84 OR 112 CHANNELS.
 2. TWI CAN SUPPORT UP TO FOUR TWO-WIRE PATHS WITH ADDITIONAL BOARD. INSTALL AN MSP-1 SURGE ARRESTER FOR EACH TWO-WIRE PATH.
 3. THE TWI IS NOT RATED FOR OUTDOOR USE.
 4. GROUNDING GRID TO HAVE A RESISTANCE OF TEN (10) OHMS OR LESS.

- ① RAIN BIRD TWO-WIRE INTERFACE (TWI)
- ② GROUNDING CABLE ATTACHED TO GROUND LUG AT BACK OF CENTRAL COMPUTER
- ③ TWI TWO-WIRE CONNECTION SLOTS. SECOND AREA IS ACTIVATED WHEN ADDITIONAL BOARD IS INSTALLED.
- ④ RJ 11 PHONE JACK TO CENTRAL CONTROL COMPUTER
- ⑤ CONDUIT (SIZE AS REQUIRED)
- ⑥ COMMON WIRE (BLACK) FROM MAXICABLE TO MSP-1 SURGE ARRESTOR AND FROM MSP-1 SURGE ARRESTOR TO TWI COMMON WIRE TERMINAL POST
- ⑦ GROUND WIRE (GREEN) TO GROUNDING BUSS BAR
- ⑧ HOT WIRE (RED) FROM MAXICABLE TO MSP-1 SURGE ARRESTOR AND FROM MSP-1 SURGE ARRESTOR TO TWI HOT WIRE TERMINAL POST
- ⑨ 120 VOLT 60 CYCLE POWER SUPPLY
- ⑩ COMPUTER COMMUNICATION CABLE (TELEPHONE COMMUNICATION CABLE) TO RJ-11 JACK AND COMPUTER
- ⑪ REFER TO LOCAL ELECTRIC CODE FOR CONNECTIONS
- ⑫ RAIN BIRD MSP-1 RECOMMENDED SURGE ARRESTOR
- ⑬ JUNCTION BOX - SIZE AS REQUIRED
- ⑭ GROUNDING BUSS BAR
- ⑮ RAIN BIRD WARRANTY REQUIRES PROPER SURGE PROTECTION. USE INTERMATIC AG2401 OR TRIPPLITE ISOBAR
- ⑯ TO TWO-WIRE PATH
- ⑰ #10 COPPER GROUND WIRE FROM GROUNDING BUSS BAR TO GROUNDING GRID (SEE GROUNDING GRID SITECONTROL DETAIL 305)
- ⑱ SERIAL PORT CONNECTION FOR ADDITIONAL BOARD