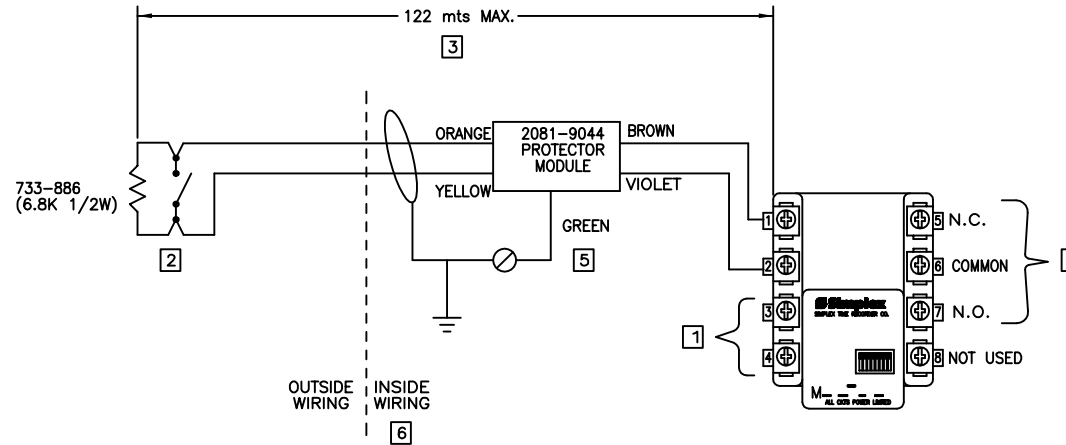


DWG LOCATION : C:\CAD FILES\Projects\MS\F\W\PLOT DATE : 23/07/01 10:49  
 RE-PLOT DATE :

DWG NAME : 84180455.dwg  
 DWG DATE : 23/07/01 10:46

SIZE	DWG NO.
A	841-804
V	SN034
W	SN237

# WIRING FOR THE 2190-9173 2 POINT I/O



**NOTES:**

- 1 MAPNET WIRING AND RELAY WIRING SHOULD BE RUN ACCORDING TO THE GUIDELINES SET FORTH ELSEWHERE IN THIS DOCUMENT.
- 2 ONLY N.O. DRY CONTACTS ARE ALLOWED ON INPUT CIRCUIT.
- 3 MAXIMUM WIRING LENGTH (18 AWG OR LARGER) IS 400 FT. TWISTED SHIELDED REQUIRED.
- 4. IN ORDER TO RUN ZONE OUTSIDE, THE FOLLOWING CONDITIONS MUST BE MET:  
UNDERGROUND WIRING:

RUN IN A SEPARATE WIRING TROUGH AWAY FROM ANY COMMERCIAL POWER DISTRIBUTION.

OVERHEAD WIRING:

- A. THE CIRCUIT IS PROTECTED FROM LIGHTNING BY USE OF THE SUPPRESSOR LISTED.
- B. THE OUTSIDE PLANT WIRING IS LIMITED TO ONE CONTIGUOUS PROPERTY AND THE WIRE LENGTH DOES NOT EXCEED 1 KM. (THE RELAY IAM WITH SUPERVISED INPUT IS LIMITED TO 400 FT.)
- C. THE CIRCUIT WIRING MUST BE RUN ON SEPARATE POLES FROM THOSE SUPPORTING COMMERCIAL POWER DISTRIBUTION WIRING. THE CIRCUIT WIRING MUST BE RUN IN PARALLEL WITH RELATION TO THE COMMERCIAL POWER DISTRIBUTION WIRING AND BE SEPARATED BY A MINIMUM DISTANCE OF (WHICHEVER IS GREATER) 100 FT. OR THE MAXIMUM SPAN BETWEEN ANY TWO ADJACENT POLES OF EITHER THE SYSTEM'S CIRCUIT OR THE COMMERCIAL POWER DISTRIBUTION SYSTEM.

5 GROUND WIRE CONNECTION MUST BE 12 AWG (MINIMUM) AND MUST NOT EXCEED 28 FT., AS DESCRIBED IN THE 2081-9044 INSTALLATION INSTRUCTIONS (574-832).

6 INSTALL SUPPRESSOR WHERE THE OUTSIDE WIRING ENTERS THE BUILDING.

REVISIONS				
ISSUE	DESCRIPTION	DATE	BY	CHECKED
A	ISSUED FOR GENERAL INFORMATION	23/07/01	G.Fiala	
REFERENCE DRAWINGS - TITLES				
1				
2				
3				

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IT IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO VERIFY OVERALL DIMENSIONS, CABLE ENTRIES AND SITE ACCESS FOR THE POSITIONING OF ALL EQUIPMENT.

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DESIGNED G.Fiala	CLIENT	DRAWING NUMBER 841-804-55
DRAWN MVL	DRAWING TITLE 4100 FIELD WIRING DIAGRAM MAPNET II DEVICES	SHEET SIZE A4
CHECKED	DATE 23/07/01	ISSUE A
SCALE NTS	PROJECT FIELD WIRING DIAGRAM	DRAWING STATUS INTERNAL
		FOREIGN NUMBER 84180455