

The 2190-9172 or 2190-9172A Supervised IAM is connected to a 2120 Multiplex MAPNET II® Communicating Device Transponder (CDT), 4020, 4100+, or 4120 System by a single wire pair (MAPNET II®). The IAM receives both power and data over this pair; no additional wiring is required (unless Style 6 operation is used).

The 2190-9172 or 2190-9172A IAM is designed to monitor normally open (N.O.) alarm contacts.

### INSTALLATION

IAM installation consists of:

- A. Setting the IAM's address and labeling the IAM.
- B. Making electrical connections to the IAM.
- C. Mechanically installing the IAM.

#### Part A — Setting the IAM's Address and Labeling the IAM

Each IAM has a unique address. This address is associated with a custom label which identifies its physical location within a building. The IAM's address and location must match up with the address listed in the specification sheets of the 2120 Job Configuration Report File, 4020 Programmer's Report, or 4100 Programmer's Report.

#### Address Setting for the 2120 CDT System

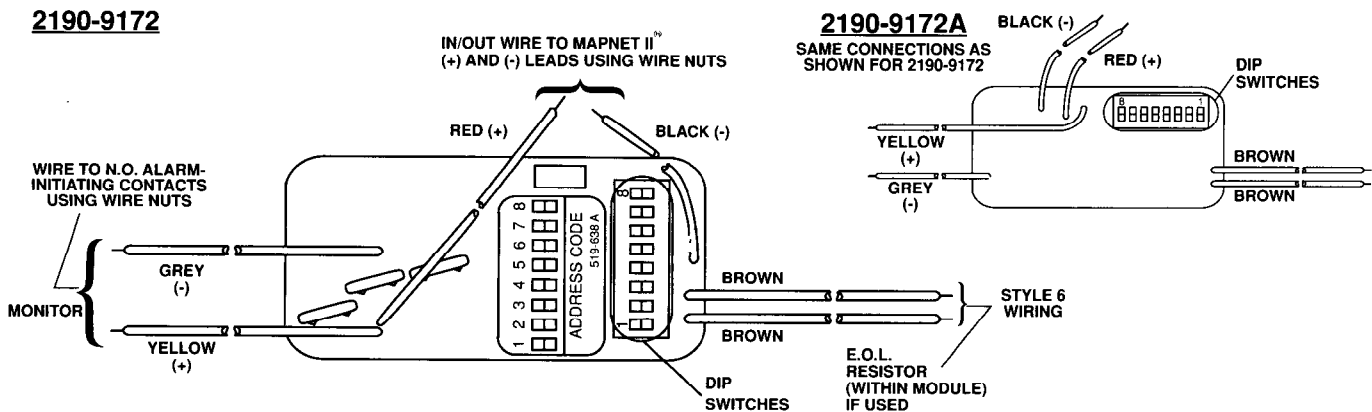
1. Using the 2120 Job Configuration Report File, find the entry for the IAM you are about to install. The CUSTOM LABEL column provides the location while the DEVICE ADDRESS column provides the switch setting data.
2. Using the switch setting data for the IAM you're installing, set the IAM's address. See Figure 1 for location of switches. Use a small screwdriver or pen to set the switches.

For the switch setting data in the DEVICE ADDRESS column, "0" is switch "ON" while "1" is switch "OFF."

**Note:** DIP Switch 8 is used for alarm latch — "ON"=NON-LATCH while "OFF"=LATCH.

3. Double-check the location of the IAM and its address before proceeding to Part B.

#### 2190-9172



Location of IAM's DIP Switches and Unit Interconnections  
FIGURE 1

MAPNET II® Communication Net is protected by U.S. Patent No. 4,796,025.  
Suffix "C" following an 8-digit Product ID number denotes ULC-listed product.

## Address Setting for the 4020, 4100+, or 4120 System

- Using the Programmer's Report for the 4020, 4100+, or 4120, find the entry for the IAM you are about to install. The DEVICE ADDRESS and CUSTOM LABEL are located in the SYSTEM POINT SUMMARY under "M."

For example, Address M1-7 (for the 4100+ or 4120 system) is circled in Figure 2. M1 is the addressable channel while -7 is the device address on the channel. For an IAM with Address M1-7, Address 7 (circled in Table 1) must be set on the IAM's DIP switches. (Similarly, an IAM with Address M1-117 must have Address 117 set on its DIP switches.)

- Using the example given in Step 1 as a guideline, set the IAM's address using Table 1. See Figure 1 for location of switches. Use a small screwdriver or pen to set the switches.

**Note:** For 4020, 4100+, or 4120, "1" is switch "ON" while "0" is switch "OFF."

- Mark an address label with the appropriate address for your IAM by shading a corresponding label box for each IAM DIP switch in the ON position. (Address label marked Address 7 [with Alarm Latch] is shown in Figure 3.) Then apply the label to the IAM near the IAM's DIP switches.

- Double-check the location of the IAM and its address before proceeding to Part B.

### 4020 System

DOCUMENTATION SYSTEM POINT SUMMARY Page 4  
9304100A node:1 rev:1 10:50:20, WED, 14-JUN-95

System Point Summary (ascending by zone name):

POINT SUMMARY  
ZONE

Zone Name	Custom Label	Device Type	Point Type	PNIS Code
IO1	MULTI IO CARD 1 POINT IO1	PULL	MONA	
IO2	MULTI IO CARD 1 POINT IO2	PULL	MONA	
IO3	MULTI IO CARD 1 POINT IO3	SSIGNAL	SIGA	
IO4	MULTI IO CARD 1 POINT IO4	SSIGNAL	SIGA	
<b>M1-1</b>	<b>COMPUTER LAB BLDG 21</b>	<b>VSMOKE</b>	<b>ION</b>	
<b>M1-2</b>	<b>3RD FLOOR EAST WING ROOM 18</b>	<b>SMOKE</b>	<b>GENIAM</b>	
<b>M2-1</b>	<b>2ND FLOOR WEST WING ROOM 12</b>	<b>SMOKE</b>	<b>ADRDET</b>	
IO9	BASEMENT EAST WING ROOM 3 IO9	SFPUMP	MONA	

DEVICE ADDRESS

### 4100+ or 4120 System

DOCUMENTATION SYSTEM POINT SUMMARY Page 2  
9304100A node:1 rev:1 16:32:47, WED, 14-JUN-95

System Point Summary (ascending by zone name):

POINT SUMMARY  
ZONE

Zone Name	Custom Label	Device Type	Point Type	PNIS Code
M1-1	FIRST FLOOR MICROWAVE ROOM	ADRPUL	PULL	
M1-2	FIRST FLOOR DINING ROOM	ADRPUL	PULL	
M1-3	FIRST FLOOR LOBBY	ADRPUL	PULL	
M1-4	FIRST FLOOR MECHANICAL ROOM 2	ADRPUL	PULL	
M1-5	FIRST FLOOR LOADING DOCK	ADRPUL	PULL	
M1-6	1ST FLR MECH RM 1	PHOTO	VSMOKE	
<b>M1-7</b>	<b>1ST FLR MECH RM 1</b>	<b>SMOKE</b>	<b>GENIAM</b>	

DEVICE ADDRESS

System Point Summaries with MAPNET II® Addresses  
FIGURE 2



