Installation Instructions
for the
DS7432 8 Input Remote Module

1.0 General Information

The DS7432 is an 8-Input Remote Module for use with the DS7400, X, Xi and Xi Rev. 3 series of Control/Communicators. It provides a means of addressing up to eight input loops of conventional contacts to the multiplex bus of the control. Up to seven DS7432s can be used per DS7400 system. Up to 15 DS7432 modules are allowed on DS7400X, Xi and Xi Rev. 3. The recommended wiring to the control is standard #18 or #22 AWG, non-shielded quad (4-wire) cable. One DS7430 Mux Module is required in the system to use the DS7432 Remote Module.

- Current Draw: 10 mA Standby, 10 mA Alarm.

- Multiplex bus wiring requirements: #22 AWG (0.8 mm) up to 2000 ft. (600m) per system, #18 AWG (1.0 mm) up to 5000 ft. (1500m) per system.

2.0 Mounting/Wiring

- P3 of the DS7432 is for European application only. Do not put a jumper here.

- P2 of the DS7432 allows the tamper switch to be bypassed with a jumper when testing or servicing.

NOTE: Remove jumper P2 when testing or servicing is completed.

- Use the mounting holes (upper left and lower right corners) to mount. It can be mounted inside or outside of the control enclosure.

- Route wiring as necessary from the DS7430 in the control enclosure and from the remote devices to the DS7432.

Note: Be sure all wiring is unpowered before routing.

- If the wiring is to enter through the rear of the enclosure, open the DS7432's rear wire entrance OR if the wiring is to run along the surface of the enclosure, open the DS7432's surface wire entrance. See Figure B.

- Connect wiring as shown in figure D, page 2.

NOTE: If using separate powered detectors, the DS7432 can be powered from the control panel Aux. power (terminals 7 and 8). The detector power can be connected to the DS7432 (see figure E). This eliminates the need for home-run power wiring from each detector to the control when the DS7432 is mounted outside of the enclosure.

3.0 DS7400 Series Programming

- Refer to the Zone Assignment Programming section of the DS7400(Xi) Series Reference Guide for Zone programming information.

4.0 Dip Switch Settings

- The dip switches select which zones will be activated by the loop inputs. Set the dip switches as shown in figure A.

    - No two DS7432s should be set the same.

    - The DS7432 occupies 8 zones when connected to the DS7400(Xi) series. The input loops of the DS7432 correspond to the zones of the control as shown in figure C.
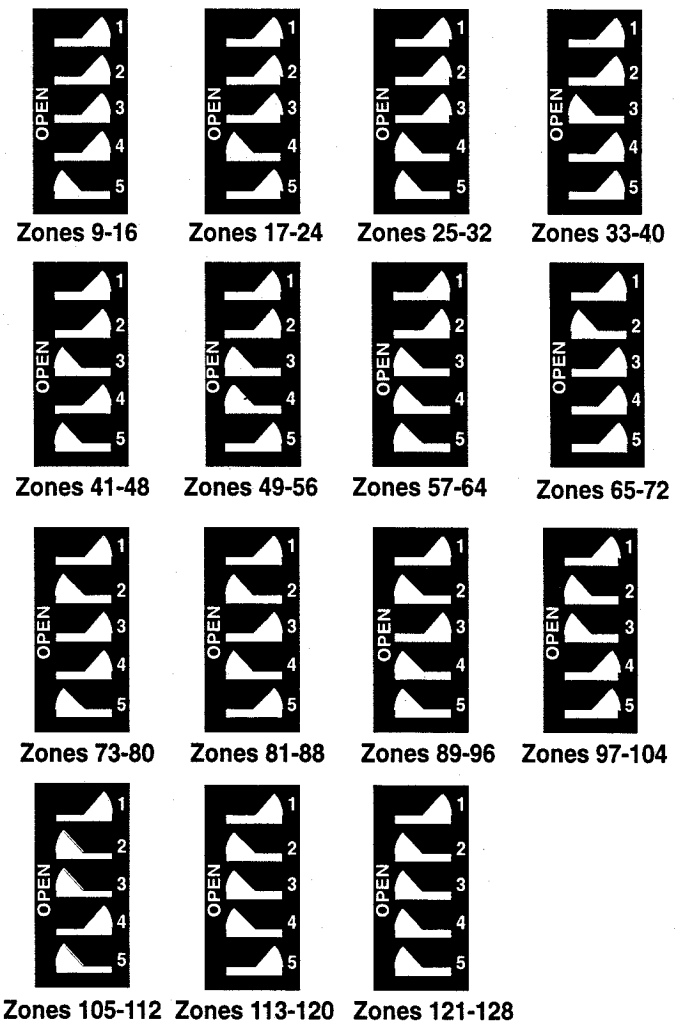

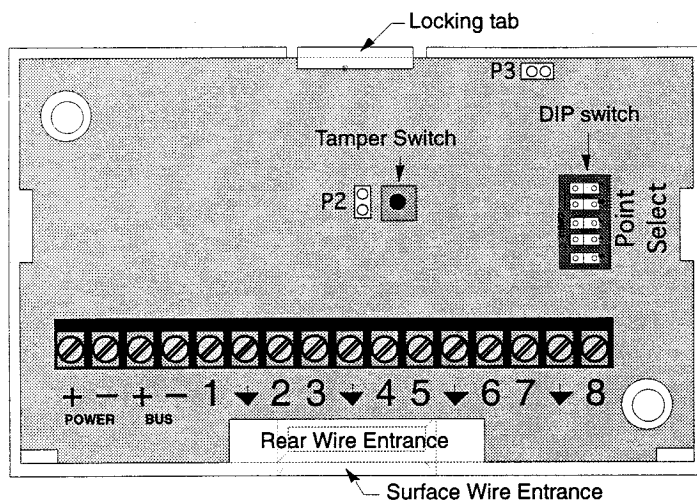Zones 9-16   Zones 17-24   Zones 25-32   Zones 33-40

Zones 41-48   Zones 49-56   Zones 57-64   Zones 65-72

Zones 73-80   Zones 81-88   Zones 89-96   Zones 97-104

Zones 105-112   Zones 113-120   Zones 121-128

Figure A-Dip Switch Settings

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Figure B - DS7432 Front view with cover off

DS7432 Input Loop →	Zone Number							
	1	2	3	4	5	6	7	8
Zones 9-16	9	10	11	12	13	14	15	16
Zones 17-24	17	18	19	20	21	22	23	24
Zones 25-32	25	26	27	28	29	30	31	32
Zones 33-40	33	34	35	36	37	38	39	40
Zones 41-48	41	42	43	44	45	46	47	48
Zones 49-56	49	50	51	52	53	54	55	56
Zones 57-64	57	58	59	60	61	62	63	64
Zones 65-72	65	66	67	68	69	70	71	72
Zones 73-80	73	74	75	76	77	78	79	80
Zones 81-88	81	82	83	84	85	86	87	88
Zones 89-96	89	90	91	92	93	94	95	96
Zones 97-104	97	98	99	100	101	102	103	104
Zones 105-112	105	106	107	108	109	110	111	112
Zones 113-120	113	114	115	116	117	118	119	120
Zones 121-128	121	122	123	124	125	126	127	128

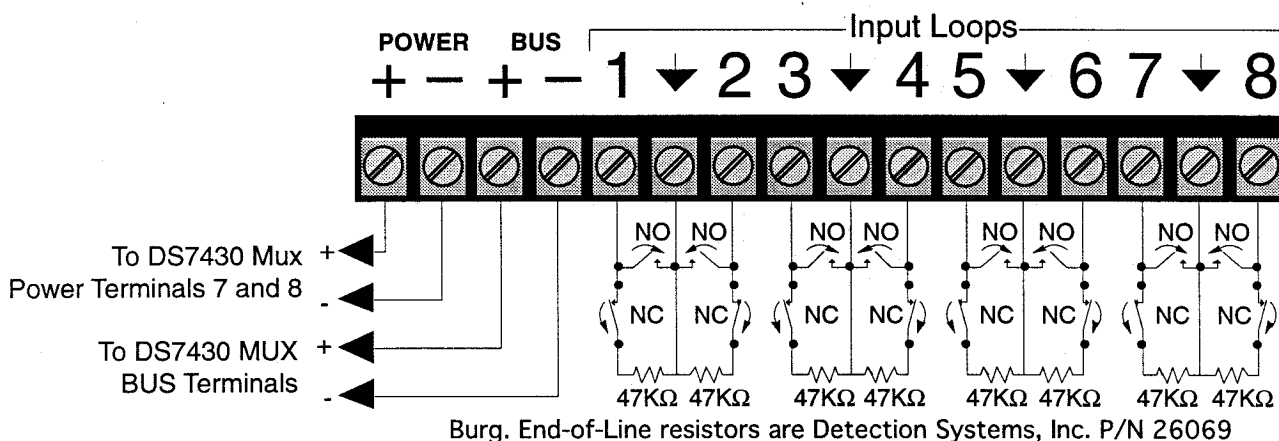**Figure C** - Loop/Zone number relationship

Figure D - DS7432 Wiring Diagram
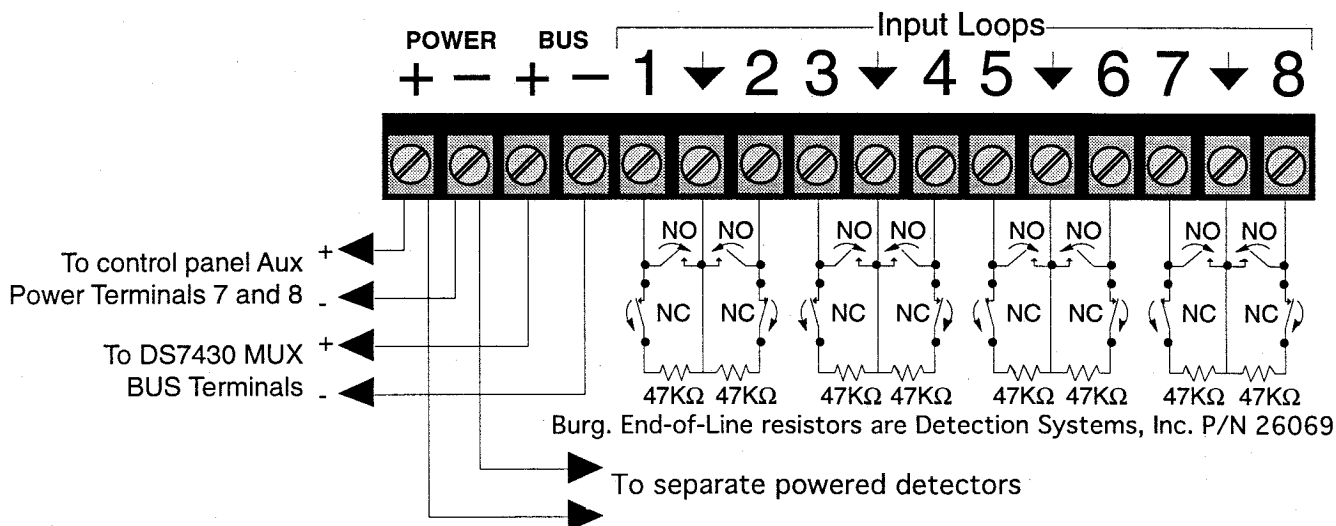For fire installations, order Multiplex Fire Loop EOL P/N 28010

Figure E - DS7432 Wiring Diagram when using separate powered detectors

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