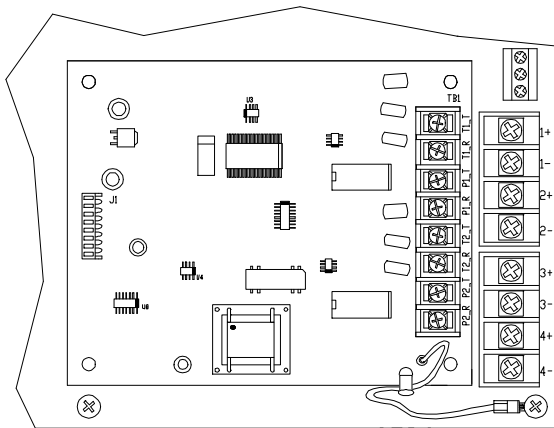


## INSTALLATION INSTRUCTIONS AND WIRING FOR CAT. NO. MPC-DACT DACT BOARD

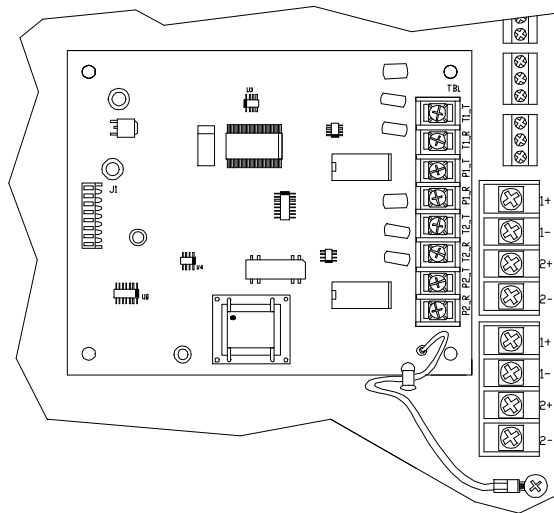
The MPC-DACT Board is an optional module for the MPC-6000 and MPC-7000 Fire Alarm System Control Units and the RND-2 Remote Network Display. The MPC-DACT (Digital Alarm Communicator Transmitter) Board provides telephone line connections for communication with a DACR (Digital Alarm Communicator Receiver). The DACT Board is mounted on the Main Board. The MPC-DACT Board options are set through the control unit programming sequence.

### **PARTS SUPPLIED**

1	MPC-DACT	DACT Board
4	375-F943165	Spacers, 1"
1	899-G67197	Keps Nut, #6-32
1	315-699464FA	Instruction Sheet



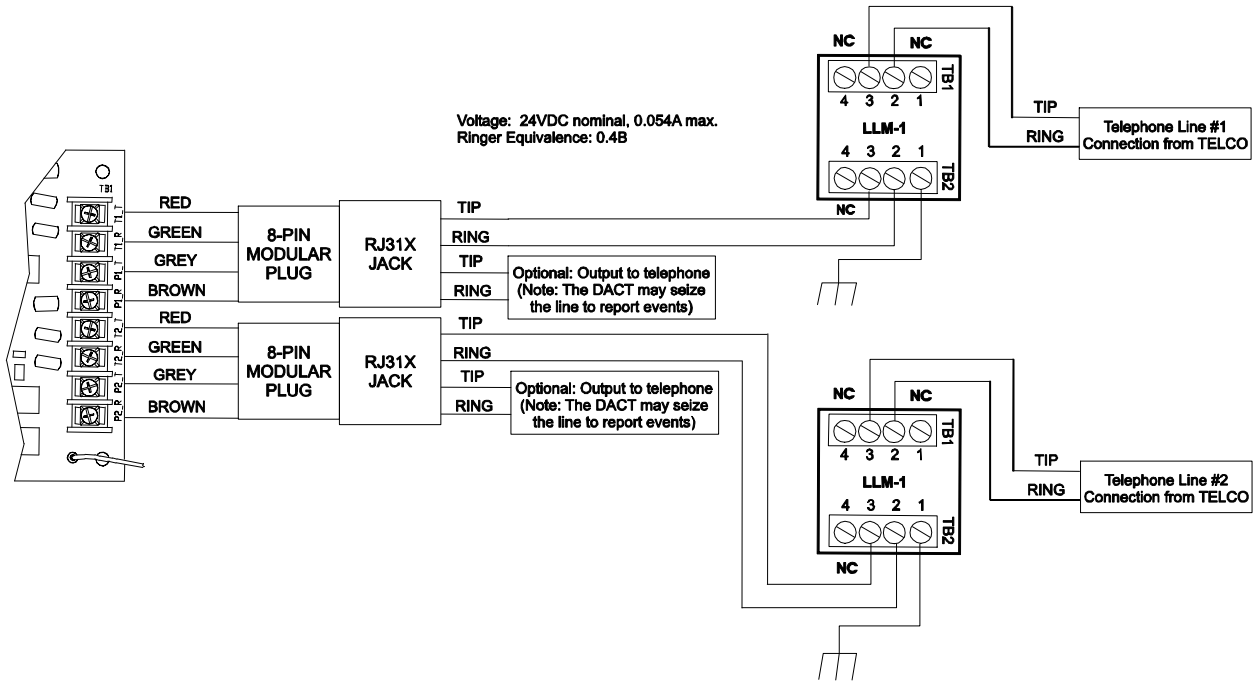
**MPC-DACT MOUNTING for MPC-6000 and RND-2**



**MPC-DACT MOUNTING for MPC-7000**

- Step 1.) Installation is to be done by qualified personnel who have thoroughly read and understood this instruction sheet.
- Step 2.) Disconnect BATTERY and AC prior to working on equipment.
- Step 3.) Mount DACT Board to the Main Board as shown, using four spacers (P/N 375-F943165).  
NOTE: Check to see that the header and connectors are mated properly.
- Step 4.) Attach ground wire as shown, using the nearest main board mounting screw.
- Step 5.) Attach conduit and run wires as required.
- Step 6.) Connect wires to the fire alarm system control unit as required.
- Step 7.) Apply power to system.
- Step 8.) Program for proper operation of functions.
  - a) Tech Level>>Outputs>Option Mods>DACT CFG  
(Set DACT line and general configurations)
  - b) Tech Level>>Outputs>Option Mods>DACT ACCTS  
(Set DACT account configurations)
  - c) Maint Level>>Disable/Enable>Outputs>DACT >Enabled
 NOTE: See Programmer's Manual (P/N 315-049403FA) for more details on programming.
- Step 9.) Check for proper operation of functions.

## MPC-DACT WIRING



NOTE: The RJ31X provides a convenient connection allowing the DACT to be installed and removed without requiring re-wiring and can be installed by the telephone installer.

## MPC-DACT FORMAT DESCRIPTION

Format	Description
SIA DCS 8	Security Industry Association - Digital Communications Standard. Format may send up to eight events a call. SIA 1997 Level Ia compatibility with support for O (old) blocks and 300 Baud (FAST) operation. Sends an account number (up to 6 digits), a 2 character code and 3-digit identifier up to four times with FSK frequency encoding.
SIA DCS 20	See SIA DCS 8, except format may send up to twenty events a call.
Ademco Contact ID	Sends a 4-digit account number, a 3-digit code and 3-digit identifier up to four rounds of dual tone multiple frequency with 1400 and 2300 Hz handshake frequency.
3/1 1400HZ	Sends a 3-digit account number and a 1-digit code up to four rounds at 20 pps with 1400 Hz handshake frequency.
3/1 2300HZ	Sends a 3-digit account number and a 1-digit code up to four rounds at 20 pps with 2300 Hz handshake frequency.
4/2 1400HZ	Sends a 4-digit account number and a 2-digit code up to four rounds at 20 pps with 1400 Hz handshake frequency.
4/2 2300HZ	Sends a 4-digit account number and a 2-digit code up to four rounds at 20 pps with 2300 Hz handshake frequency.

## COMPATIBLE RECEIVERS/FORMATS

Receiver Manufacturer	Compatible Receivers	SIA DCS 8	SIA DCS 20	Ademco Contact ID	3/1 1400HZ	3/1 2300HZ	4/2 1400HZ	4/2 2300HZ
Osborne-Hoffman, Inc.	QUICKALERT! Model II			Ademco Contact ID	Fast 3+1 1400HZ	Fast 3+1 2300HZ	Fast 4+2 1400HZ	Fast 4+2 2300HZ
Osborne-Hoffman, Inc.	OH2000	SIA 1	SIA 1	Ademco Contact ID	Fast 3+1 1400HZ	Fast 3+1 2300HZ	Fast 4+2 1400HZ	Fast 4+2 2300HZ
Radionics, Inc.	D6500				3x1	3x1	4x2	4x2
Silent Knight Security Corp.	9000	SIA 8	SIA 20		SK 3/1	SK 3/1	SK 4+2	SK 4+2
Silent Knight Security Corp.	9500	SIA DCS	SIA DCS	Ademco Contact ID	SK 3/1	SK 3/1	SK 4+2	SK 4+2
Silent Knight Security Corp.	9800	SIA DCS	SIA DCS	Ademco Contact ID	SK 3/1	SK 3/1	SK 4+2	SK 4+2

**MPC-DACT EVENT CODES**

<b>Event Type</b>	<b>SIA DCS (8 or 20) *</b>	<b>Ademco Contact ID**</b>	<b>3/1 1400 Hz or 2300HZ</b>	<b>4/2 1400 Hz or 2300HZ</b>
Fire Point Alarm	FA <b>tuvw</b>	1 110 <b>xyz</b>	0	01
Fire Point Alarm Restore (Through Reset)	FH <b>tuvw</b>	3 110 <b>xyz</b>	2	21
Waterflow Point Alarm	SA <b>tuvw</b>	1 113 <b>xyz</b>	0	02
Waterflow Point Restore	SH <b>tuvw</b>	3 113 <b>xyz</b>	2	22
General Alarm	FA 298	1 110 298	0	01
Supervisory Point Active	SS <b>tuvw</b>	1 203 <b>xyz</b>	6	66
Supervisory Point Restore	SR <b>tuvw</b>	3 203 <b>xyz</b>	7	76
AC Trouble	AT 0	1 301 000	8	80
AC Trouble Restore	AR 0	3 301 000	7	70
Power Up/Reset	RR 0	3 305 000	7	70
Fire Point Trouble	FT <b>tuvw</b>	1 373 <b>xyz</b>	8	83
Fire Point Trouble Restore	FJ <b>tuvw</b>	3 373 <b>xyz</b>	7	73
Fire Trouble Restore (All Clear)	FJ 9	3 373 009	7	79
Fire Point Device Bypass (Disable)	FB <b>tuvw</b>	1 571 <b>xyz</b>	8	84
Group Bypass (Disable)	FB 298	1 571 298	8	84
Fire Point Device Unbypass (ReEnable)	FU <b>tuvw</b>	3 571 <b>xyz</b>	7	74
Group Unbypass (ReEnable)	FU 298	3 571 298	7	74
System Battery Trouble	YT 298	1 302 298	8	87
System Battery Trouble Restore	YR 298	3 302 298	7	77
NAC Circuit <b>nn</b> Trouble	FT <b>2nn</b>	1 373 4 <b>nn</b>	8	83
NAC Circuit <b>nn</b> Trouble Restore	FJ <b>2nn</b>	3 373 4 <b>nn</b>	7	73
NAC Circuit Ground Fault	FT 299	1 373 299	8	89
NAC Circuit Ground Fault Restore	FJ 299	3 373 299	7	73
FDLC Ground Fault Trouble	FT 299	1 373 299	8	83
FDLC Ground Fault Trouble Restore	FJ 299	3 373 299	7	73
Phone Line 1 Trouble	LT 1	1 351 001	8	81
Phone Line 1 Trouble Restore	LR 1	3 351 001	7	71
Phone Line 2 Trouble	LT 2	1 352 002	8	82
Phone Line 2 Trouble Restore	LR 2	3 352 002	7	72
Dialer Data Lost	RT 30	1 354 030	8	88
Fire Test (Drill) begin	FI 0	1 604 000	9	90
Fire Test (Drill) end	FK 0	3 604 000	9	92
Quick Test Begin	FT 298	1 373 298	8	83
Quick Test Stop	FJ 298	3 373 298	7	73
System Trouble <b>qrs</b>	FT <b>qrs</b>	1 373 <b>qrs</b>	8	83
System Trouble <b>qrs</b> Restore	FJ <b>qrs</b>	3 373 <b>qrs</b>	7	73
Auto Test – System Normal	RP 30	1 602 030	9	93
Manual Test – System Normal ***	TX 30	1 601 030	9	99
Point Active in Quick Test	FX <b>tuvw</b>	1 604 <b>xyz</b>	9	91

\*\*\*Note: Below Panel Firmware revision 6.3, this code is always paired with the Auto Test Code (RP 30, etc.) during the daily automatic test. **nn** denotes NAC circuit number 1-12.

**SIA DCS**

**\*EVENT CODE IDENTIFIER DESCRIPTIONS**

<b>If installed on an MPC-6000 or MPC-7000 FACP (used as MPC-DACT)</b>				
<b>4 Digit Code</b>	<b>t</b>	<b>u</b>	<b>v</b>	<b>w</b>
Device Address	Loop (1-4)	Address (001-252)		

<b>If installed on an RND-2 (used as N-DACT)</b>				
<b>4 Digit Code</b>	<b>t</b>	<b>u</b>	<b>v</b>	<b>w</b>
Network Link #	9	Link # (1-255)		

**ADEMCO CONTACT ID**

**\*\*EVENT CODE IDENTIFIER DESCRIPTIONS**

<b>If installed on an MPC-6000 or MPC-7000 FACP (used as MPC-DACT)</b>			
	<b>x</b>	<b>y</b>	<b>z</b>
Input Group #	Address (001-240)		

<b>If installed on an RND-2 (used as N-DACT)</b>			
	<b>x</b>	<b>y</b>	<b>z</b>
Link #	9	Link #	
* If link # is >99, posts 99.			

**Important:** These tables only apply if both Account 1 and Account 2 are set for the same reporting format. If different formats must be used, contact Technical Support for additional information. See the MPC-6000/-7000/RND-2 Programming Manual for details on setting the reporting format.

**SIA / ADEMCO  
SYSTEM TROUBLE CODES**

<b>Trouble Type</b>	<b>q</b>	<b>r</b>	<b>s</b>
Network Trouble	2	9	0
DACT General Trouble	2	9	1
DACT Account 1	2	9	2
DACT Account 2	2	9	3
General Trouble	2	9	8

**FCC Requirements - Part 68**

This equipment complies with Part 68 of the Federal Communication Commission (FCC) Rules and Regulations. On the bottom is a label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. If requested, this information must be provided to the telephone company.

FCC Registration Number: ABK USA-34988-AL-E

USOC telephone jack: RJ31X

Ringer Equivalence Number (REN): 0.4B

The REN is useful to determine the quantity of devices that may connect to the telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of the RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to the line, as determined by the total RENs, contact the telephone company to determine the maximum REN for the calling area.

If the Model MPC-DACT equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. If advance notice is not practical, the telephone company will notify you of the discontinuance as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of your telephone equipment. If this happens, the telephone company will provide advance notice so that you can modify your equipment as required to maintain uninterrupted service.

If you experience trouble with the DACT Board for repair and/or warranty information please contact:

Siemens Industry, Inc. / 8 Fernwood Road / Florham Park, New Jersey 07932 / 973-593-2600

If the trouble is causing harm to the telephone network, the telephone company may request you disconnect to equipment from the network until the problem is solved. You should not attempt to repair this equipment yourself. This equipment contains no customer or user serviceable parts.

This device may not be used on public coin or party line services.

Changes or modifications not expressly approved by Siemens Industry, Inc. could void your authority to operate this equipment.