Premier 24 Addendum

Addendum

Introduction

This addendum provides additional information for control panels with Version 7.0 *Premier 24* software and should be used in conjunction with the *Premier 24* Installation Manual (INS248).

General Operation

Control Panel Line Fault Input (L/M)
In accordance with BSIA form 175, the Line Monitor input on the control panel can detect a single or a dual path fault for use with the ATS Remote Test output type.

Anti-Code Reset
When 'Panel Grade 3' is enabled (see page 4), the Premier Anti-code reset reply code is a 6 digit number.

User Codes
To comply with PD6662: 2004/EN 50131-1 Grade 3, when 'Panel Grade 3' is enabled, user codes can only be programmed as 5 or 6 digits.

EN50131 Enabled
When this option is enabled, the following options are enabled:

Keypad display 'blanking' is enabled i.e. the keypad will only display the time, date and the banner message. If information is available to be viewed i.e. AC Mains Fail, ATS Path Fault, System Faults etc. the keypad will bleep every 30 seconds and display 'System Alerts', this information can only be viewed after a valid user code has been entered. The keypad display will then 'blank' again 30 seconds after.

The bell output will not activate, if an alarm occurs during the entry mode.

Duress Codes can only be programmed by an engineer

System Alert Indication
Whenever information is available for a user to view i.e. system fault, alarm indications, the keypad will display 'System Alerts!' and beep every 30 seconds, the user must then enter their code to view the information. Once the information has been viewed, the user must enter their code again and then press RESET to clear the information. If the fault is programmed as 'User Reset' it will clear (providing that the fault is not still present) otherwise an 'Engineer' or 'Anti-Code Reset' will be required. If the faults need to be overridden to arm the system, the user must confirm this at the time of arming.

Duress Codes
Duress Codes can only be programmed by an engineer.

Learning Prox TAGS on the iProx
When an iProx unit is connected to the control panel along with a 26bit Wiegand reader from another manufacturer, to learn TAGS onto the control panel for use with that reader, using any LCD keypad, go to the 'Setup Users' menu and at the point that a code number would normally be entered, present the TAG to the stand alone reader, the TAG's number will now be displayed. If required, to prevent this number from being used by someone as a code, press 'OMIT'. A semi colon (;) will now be displayed as the last digit of this number (this prevents the code from operating), press YES to accept and finish programming the user as normal.

ATS Performance Criteria
The *Premier Com300/2400/ISDN* is suitable for use in systems designed for use with ATS level 2. With the PSTN functioning normally, the Alarm Transmission System (ATS) will comply with the required performance levels subject to the ARC being suitably equipped.

The *Premier Com300/2400/ISDN* module may be used for up and downloading purposes in systems at all security grades.

User Code Lockout During Entry
The control panel now defaults to locking out all user codes during entry. If this function is not required, it can be disabled by going to "PGM outputs" in the System Outputs menu and making PGM 3 "Not Used".

Power Supply Ratings

If installing to PD6662: 2004/EN 50131-1, the system standby times in the event of a mains power failure vary depending on the grade and how AC fail is signalled:

System Standby Times		
Grade 2	Grade 3 AC Fail signalled as AC Fail	Grade 3 AC Fail signalled as Fault
12 Hours	12 Hours	24 Hours

The "Rated Power" of the control panel will depend on the size of the standby battery, standby time required by the installation grade:

7 Ah Standby Battery			
Max Power Available from control panel	Grade 2 – Rating	Grade 3 – Rating AC Fail signalled as AC Fail	Grade 3 – Rating AC Fail signalled as Fault
750mA	580mA	580mA	290mA
17 Ah Standby Battery (Premier 24 Metal Only)			
Max Power Available from control panel	Grade 2 – Rating	Grade 3 – Rating AC Fail signalled as AC Fail	Grade 3 – Rating AC Fail signalled as Fault
750mA	750mA	750mA	710mA

When calculating the current consumption of the system you must include the current taken by the control panel and all the devices that it powers. If the total current exceeds the "Rated Output" for the grade you are installing to then an additional power supply is required.

Connecting Batteries

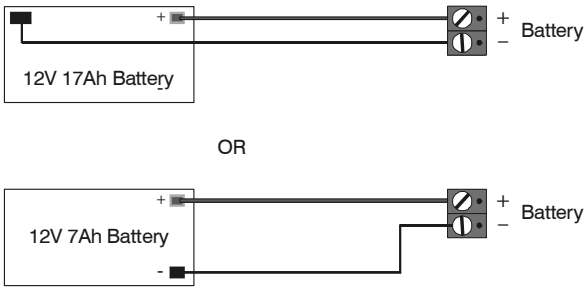
If installing to PD6662: 2004/EN 50131-1 then only One 12V 7Ah battery or 12V 17Ah battery can be fitted inside the control panel to provide continued operation in the event of an AC mains failure.

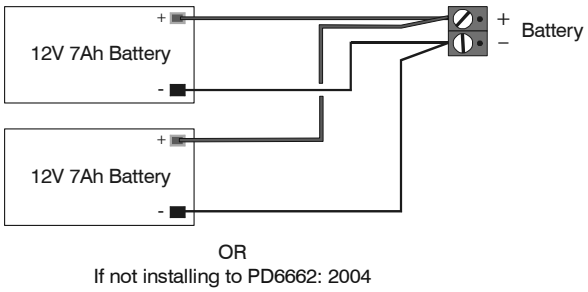
NOTE The Metal Housing is large enough to house a 17Ah battery, whereas the plastic housing is only large enough to house a 7Ah battery.

All other wiring MUST be carried out before the battery is connected to the control panel.

Connect the red battery lead to the positive terminal of the battery and then connect the black battery lead to the negative terminal.

NOTE The panel will only become 'live' when the AC Mains is connected or the 'Battery Kick-start' button is pressed.





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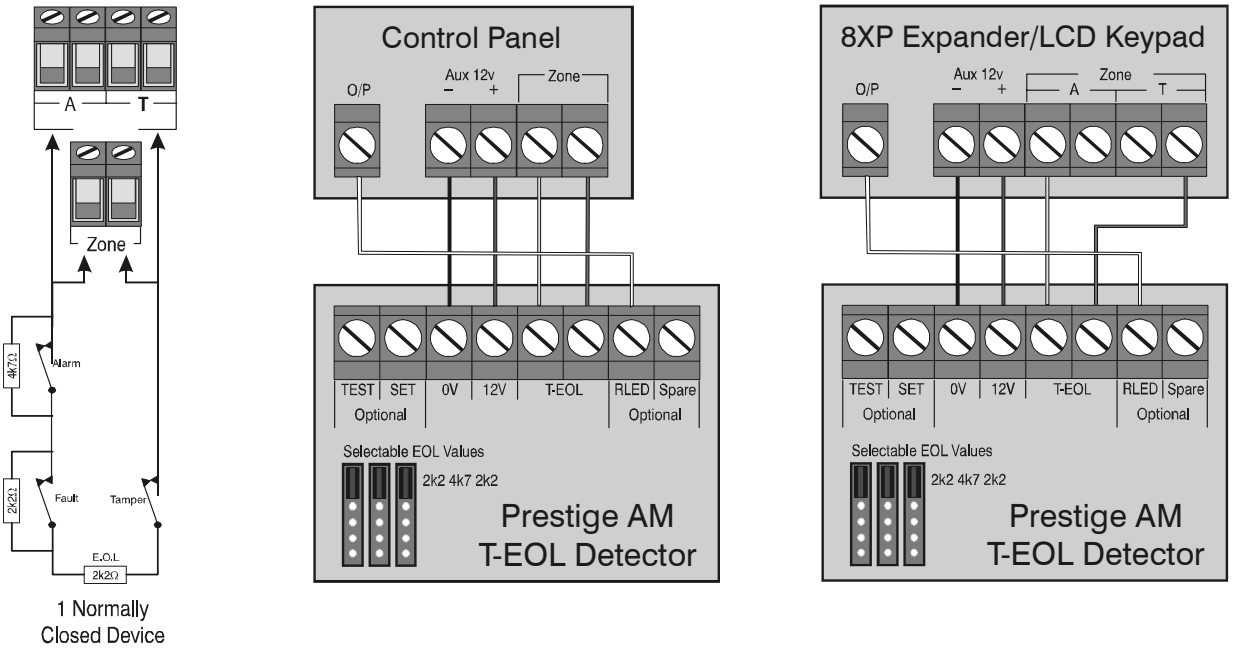
Zone Wiring - Triple End of Line (T-EOL) with Fault & Anti-Masking

Use this wiring configuration when connecting normally closed detection devices to the zone using 2-Wires.



When Configuration Option 13 is programmed as 'Short = Tamper' the system will respond as follows:

Zone Status	System Response
0 - 1k0	S/C Zone Tamper
1k1 - 4k0 (EOL)	Zone Secure
4k1 - 5k6	Zone Fault
5k7 - 8k0	Zone Active
8k1 - 20k	Zone Mask
21k+	Zone Tamper

When Configuration Option 13 is programmed as 'Short = Active' the system will respond as follows:

Zone Status	System Response
0 - 1k0	S/C Zone Active
1k1 - 4k0 (EOL)	Zone Secure
4k1 - 5k6	Zone Fault
5k7 - 8k0	Zone Active
8k1 - 30k	Zone Mask
31k+	Zone Tamper

NOTE When using either of these configurations, no more than one detector can be connected to each zone.

This configuration is only applicable if the wiring type for the zone is programmed as 'Triple EOL'.

1. Zone Setup

Zone Setup > Zone Wiring type > Triple EOL

The Zone Setup menu as shown on page 31 - 34 of the *Premier 24* Installation Manual now includes the following wiring type: Triple EOL

When an Anti-masking detector is connected to a zone, Triple EOL needs to be selected, only one detector can be connected to the zone and the zone will be monitored for: Healthy (2k2), Active (6k9), Short (0k0), Tamper (20k+), Fault (4k4) and Mask (9K1) conditions, see page 3 for wiring details.

NOTE If a detector is connected to a zone with this wiring type selected and the remote test input is not connected, performing a remote detector test in Wintex will cause a fault on the zone that will require resetting

2. Arming Options

Arming Options > Options > Options 3

The 'Options' in the Arming Options menu as shown on page 36 - 37 of the *Premier 24* Installation Manual now includes the following options.

F - Faults Eng Reset
The system can be programmed for Engineer or User reset following any Fault with exception to "No ATS Available" and "AC Fail". If programmed as 'Faults Eng Reset' the system will respond as follows:

All System Faults (except No ATS Available and AC Fail) can only be reset using an Engineer code or "Anti-code Reset" (if enabled).

A - No ATS Eng Reset
The system can be programmed for Engineer or User reset following a "No ATS Available" fault (ATS = Alarm Transmission System). If programmed as "No ATS Eng Reset" the system will respond as follows:

The No ATS Available fault can only be reset using an Engineer code or "Anti-code Reset" (if enabled).

A - AC Fail Eng Reset
The system can be programmed for Engineer or User reset following an AC Mains Fail. If programmed as 'AC Fail Eng Reset' the system will respond as follows:

The AC Mains Fail fault can only be reset using an Engineer code or "Anti-code Reset" (if enabled).

3. Global Options

Global Options > System Config. > Additional Options

System Config. in the Global Options menu as shown on pages 40 - 41 of the *Premier 24* Installation Manual now includes the following options.

24 - Panel Grade 2
All options relating to PD6662: 2004/EN 50131-1 Grade 3 that are not required for Grade 2 systems are disabled automatically. Also, the Premier Anti-code reset becomes the standard 4 digit number and all user and engineer codes can be 4, 5 or 6 digits.

Panel Grade 3
All options relating to PD6662: 2004/EN 50131-1 Grade 3 systems are enabled automatically. Also, the Premier Anti-code reset becomes a 6 digit number and all user codes can only be programmed as 5 or 6 digits.

25 - Disable FOB PA
When a 'RadioPlus' Transmitter FOB is being used with the alarm system, the Panic Alarm (PA) function i.e. Pressing buttons 1 and 2 together, is disabled.

Enable RF FOB PA
When a 'RadioPlus' Transmitter FOB is being used with the alarm system, the Panic Alarm (PA) function i.e. Pressing buttons 1 and 2 together, is enabled.

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6. System Outputs

System Outputs > System Group > Additional Output Types

The Output Group - System, in the System Outputs menu as shown on pages 49 & 53 of the *Premier 24* Installation Manual now includes the following output types.

00 - ATS Path Fault
This output type was previously called "Phone Line Fault". This output type activates when there is one or more faults in the Alarm Transmission System (ATS) communication paths. For a digital communicator the path would be the telephone line, for a GSM module it would be the GSM network and for a Radio-Pad it would be the Vodafone Paknet network.

32 - Radio Jamming
This output type activates whenever the wireless radio receiver detects a jamming signal and deactivates when the jamming signal is removed.

33 - Detector Test
This output type is activated via Wintex to initiate a diagnostics check on an PD6662: 2004/EN 50131-1 Grade 3 detector and deactivates after 10 seconds.

34 - ATS Remote Test
This output type conforms to the BSIA Form 175 Specification. When a Line Fault is not present it can be activated remotely by Wintex, or by using the 'Test Call Timer' or 'Start Test Call' option on the control panel to initiate a test on ATE equipment that have an ATS test input. NOTE: Only the Control panel Line Fault input can be used with this output type.

35 - No ATS Available
This output type activates when no signalling paths are available for the Alarm Transmission System (ATS) and deactivates when one or more paths become available.

36 - CIE Fault
This output type activates when a fault occurs on the CIE and deactivates when the fault clears.

37 - PSU Fuse Blown
This output type activates when a monitored Power Supply detects a 12V failure and deactivates when the fault is reset.

38 - PSU Battery Flt
This output type activates when a monitored Power Supply 'PSU Monitor' detects a battery fault and deactivates when the fault is reset.

39 - iD Loop Shorted
This output type activates when the 24IXD detects a short circuit on the iD loop and deactivates when the fault is reset

System Outputs > Area Group > Additional Output Types

The Output Group - Area, in the System Outputs menu as shown on pages 49 - 53 of the *Premier 24* Installation Manual now includes the following output types.

50 - Speaker Mimic
This output type activates whenever the internal speaker output is on, and deactivates when the speaker output is off.

51 - Detector Fault
This output type activates when a detector fault occurs and deactivates when the fault is reset.

52 - Detector Masked
This output type activates when a detector mask occurs and deactivates when the mask is reset.

53 - Fault Present
This output type activates when a general fault occurs i.e. Line Fault, AC Mains Fail, Detector Fault etc. and deactivates when the fault is cleared.

54 - LED Control
This output type is always activate and deactivates when a User or Engineers code is entered to gain access to a menu. The output activates again 30 seconds after the user/engineer exits the menu. This output type is for use with detectors that require 0V applied to disable their LED's

Factory Defaults

Menu	Option	Default
User Codes		
Setup Users	User 00 (Engineer)	1234
	User 01 (Master)	5678
	Users 02 - 16	Not Defined
1. Zone Setup		
Zones Types	1	Entry/Exit 1
	2	Guard Access
	3 - 8	Guard
	Zones 9 - 24	Not Used
Zone Text	All Zones	Not Defined
Zone Chime	All Zones	Silent
Zone Wiring	1 – 24	Double Pole/EOL
2. Area Programming		
Timers (All Areas)	Exit Delay	030 Seconds
	Entry Delay 1	045 Seconds
	Entry Delay 2	045 Seconds
	2nd Entry Dly	000 Seconds
	Bell Delay	000 Minutes
	Bell Duration	015 Minutes
	Coms Delay	000 Seconds
	Part Bell Dly	000 Seconds
Arming Modes	Full Arm	Entry/Exit
	Part Arm 1	Instant
	Part Arm 2	Instant
	Part Arm 3	Instant
Options 1	1: Auto Part Arm	Disabled
	2: Part Arm Silent	Disabled
	3: Time Arm CT1	Disabled
	4: Remote Arm	Enabled
	5: Alarm Eng Reset	Disabled
	6: Confirmation Reset	Enabled
	7: Tamper Eng Reset	Disabled **
	8: Anti-code Reset	Enabled
Options 2	1: Arm With No ATS	Enabled **
	2: Arm With AC Fail	Enabled
	3: Part Arm Coms	Disabled
	4: Unarm Fire Coms	Disabled
	5: Unarm Tamper Coms	Disabled **
	6: Log Part Omits	Disabled
	7: Confirm In Entry	Disabled
	8: Conf. After Entry	Enabled
Options 3	1: Faults Eng Reset	Disabled **
	2: No ATS Eng Reset	Disabled **
	3: AC Fail Eng Reset	Disabled
3. Global Options		
System Timers	01: Exit Settle Time	008 Seconds
	02: Double Knock Dly	007 Seconds
	03: Activity Delay	024 Hours
	04: Abort Delay	180 Seconds
	05: Courtesy Time	030 Seconds
	06: Pulse Period 1	010 Seconds
	07: ATS Fault Delay	000 Minutes
	08: AC Off Delay	005 Minutes
	09: Batt Test Period	024 Hours
	10: Batt Test Time	010 Seconds
	11: Soak Test Time	014 Days
	12: Service Interval	000 Weeks
	13: Test Call Every	024 Hours
	14: Zone Response	008 x 8mSec.
	15: Confirmation Dly	060 Minutes
System Config	00: Bell on Arm Fail	No Bell
	01: Bell is an SCB	SAB
	02: Manual BST/GMT	Auto
	03: Leave Omits	Remove
	04: Enforce Com Delay	Override

Menu	Option	Default
3. Global Options Continued		
System Config. Continued	05: NVM is Locked	Unlocked
	06: Engineer Only	User + Engineer
	07: Omit Tampers NO	YES **
	08: 40 Column Printer	80
	09: View Act. Fault	Hide
	10: View Zone Faults	Hide
	11: No Code Tamp	Enable
	12: Code Tamp Alarms	Locks
	13: Zone Short = Active	Tamper
	14: R/R=Silence/RST	Reset Only
	15: Test Call = CT3	Timed
	16: Batt Test = Disarm	Timed
	17: Bell = 2nd Alarm	1st Alarm
	18: SNDR = 2nd Alarm	1st Alarm
	19: Abort = User Reset	Eng.
	20: 8XE = Tampers 1-8	Zones 9-16
	21: 1st Zone = Confirm	2nd
	22: Access = Confirm	No Conf.
	23: EN50131 Disabled	Enabled
	24: Panel Grade 3	2 *
	25: Disable RF PA's	Enable
System Options	1: Advisory Volume	5
	2: Chime Volume	3
	3: No. of Re-Arms	03
	4: Anti-code Resets	03
	5: Multi Knocks	05
	6: Clock Adjustment	50 (no adjustment)
	7: Quick Count	4
	8: Modem Level	0
Monitor Hardware	1: ATS Path Fault	Enabled
	2: Power Failure	Enabled
	3: Aux Fuse Blown	Enabled
	4: Bell Tamper	Enabled
	5: Aux Tamper	Enabled
	6: Panel Lid Tamper	Enabled
	7: Battery Faults	Enabled
Control Timers	1 - 4	Not Defined
System Text	Reset Message	Call Engineer to Reset System
	Anti-code Message	Call ARC Centre to Reset System
	Service Message	Call Alarm Co. For Service
	Location Text	No Location Text Has Been Setup
	Banner Message	Not Defined
	Part Armed Banner	* PART ARMED *
	Printer Header	Not Defined
	Part Arm 1	Evening Arm
	Part Arm 2	Bedtime Arm 1
	Part Arm 3	Bedtime Arm 2
Speaker Tones	All Tones	Enabled
4. Keypad Setup		
Zone Mapping	All Keypad zones	Not Mapped
Options	1: PA Enabled	Disabled
	2: Fire Enable	Disabled
	3: Medical Enabled	Disabled
	4: Tamper Disabled	Enabled
	5: PA Silent	Audible
	6: PA Delayed	Instant
	7: Quick Arm Keys	Off
	8: Info.LED> Output	Armed
Volume	All Keypads	4
Sounder Options	All Tones	Enabled

Menu	Option	Default
5. Expander Setup		
Auxiliary Input	All Expanders	Not Used
Volume	All Expanders	4
Sounder Options	All Tones	Enabled
6. Output Setup		
Panel Outputs	1	Fire
	2	PA
	3	Alarm
	4	Armed
	5	Zones Locked Out
	6	Fault Present
	7	Confirmed Alarm
	8	Abort
	9	Tamper
	10	AC Mains Fail
	11	ATS Remote Test
	12	Not Used
	13	Not Used
	14	LED Control
	15	Armed
	16	Detector Test
Com Channels	1 - 16	As Panel Outputs
Keypads 1-4 Outputs	1	LED Control
Expanders 1-2 Outputs	1	LED Control
	2	Armed
	3	Detector Test
	4 - 8	Not Used
PGM Outputs	1	Zones Locked Out
	2	Not Used
	3	Full Entry Mode
	4	Control Timer 4
	5 - 8	Not Used
7. UDL/Digi Options		
Reset Digi	N/A	N/A
Test Com?	N/A	N/A
Set Call Waiting	Number	Not Defined
Program Digi	ARC 1	Not Defined
	ARC 2	Not Defined
Digi Options	Digi is Enabled	Disabled
	Pulse Dialling	Tone
	Pulse After 3	Always Tone
	Blind Dialling	Wait Dial Tone
	Call Waiting On	Off
	Dial All Numbers	Dial Any

Menu	Option	Default
7. UDL/Digi Options Continued		
UDL Options	Call Back Number 1	Not Defined
	Call Back Number 2	Not Defined
	UDL Password	Not Defined
	DL Attended	Unattended
	Auto Call-Back	Manual
	Call Defeat Off	On
	DL Arm Limited	At Anytime
	Any Area Armed	Fully Armed
	DL Keypad not OK	OK
	Rings Required	005
	UDL Dial Attempts	003
Setup Modules	Pad ARC 1 Pri. No.	Not Defined
	Pad ARC 1 Sec. No.	Not Defined
	Pad ARC 1 Prefix	Not Defined
	Pad ARC 2 Pri. No.	Not Defined
	Pad ARC 2 Sec. No.	Not Defined
	Pad ARC 2 Prefix	Not Defined
Setup IP Data?	ComIP Address	Not Defined
	ComIP Port	Not Defined
	ComIP Gateway	Not Defined
	ComIP Mask	Not Defined
	Polling Address	Not Defined
	ComIP Name	Not Defined
	SMS Centre Pri.	07860980480
	SMS Centre Sec.	Not Defined
Com Port Setup	Onboard Digi	Com300
	Com 1	No Module Fitted
	Com 2	No Module Fitted
8. User Codes		
Setup Users	User 00 (Engineer)	1234
	User 01 (Master)	5678 ***
	User 02 - 16	Not Defined ***

* This option alters the Programming of the control panel as defined below.

** These options are enabled/disabled when Config. Option 24 is programmed as ‘Grade 2/3’.

*** All users except the engineer are defaulted to lock out during entry.

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