

## PIR PIDS – Passive Infrared Perimeter Intrusion Detection Systems

### Firmware History for ADPRO PRO E-Series

**PIR models:** PRO E-18, PRO E-18H, PRO E-18W, PRO E-18WH, PRO E-30, PRO E-40, PRO E-45, PRO E-45H, PRO E-45D, PRO E-45DH PRO E-100, PRO E-100H, PRO E-400H, PRO E-18WRFe, PRO E-18WRFn PRO E-45RFe, PRO E-45RFn PRO E-100RFe, PRO E-100RFn

#### **Update process and requirements:**

It is always recommended to use the latest FlashLoader Software to perform a PIR firmware update. The Flash Loader software can be downloaded from the Xtralis Security Solutions Support Site <http://www.xtralissecurity.com> or from the [HeiTel Partnerforum](#).

Please log in with your personal credentials and search for “FlashLoader PIR Update” or file no. 29461. This .zip file contains the Flash Loader Software and the latest firmware versions of the mentioned detectors.

#### **Firmware V1.82 IR8xx (non RF detectors)**

**2018-02-28**

(Support of all functions only with ADPRO PRO V9.46 or above)

- PIR startup phase modified
  - No alarm during the first 30 seconds
  - Cover, bracket and alignment is set to alarm while startup
  - Clear IR-Alarm and sampling during the initialization
  - PowerOn bit corrected and cleared after the last alarm has been cleared
  - racking of the nominal value corrected
  - Anti-mask min. value added
  - Update of the nominal value and tolerance of the cover sensor optimized
  - Initialization of anti-mask starts after the cover initialization
  - Initialization of the operating voltage corrected
  - Heater identification flag corrected
- Adjustments of cover sensor threshold and anti-masking tolerance
- Alarm output factory settings synchronized with PIR Configuration software V9.46. Note: The default anti-masking alarm was removed from Out 2 and set to Out 1 and 3 (for non-H-PIRs) and to Out 4 only for H-PIRs
- Magnetometer and accelerometer merged to an alignment alarm

## **Firmware V1.70 IR8xx (non RF detectors)**

**2016-10-12**

(Support of all functions only with ADPRO PRO V9.42 or above)

- New power management for increased reliability and robustness
  - Indication of current operating voltage and hardware type via PRO configuration software 9.42 or higher
  - Improved boot up behaviour
  - Power Failure alarm behaviour improved
- A delay time for anti-mask alarms can be configured now (default delay AM small deviation 15s, delay AM large deviation 2s). This feature allows to ignore short masking caused by birds or other occurrences
- Option added to enable the detector's front LED in case of an alarm
- Optimised tamper alarm management
- **PRO E-100, PRO E-100H, PRO E-400H**: Sensitivity of Short, Medium and Long range can be configured individually
- Sensitivity range of all wired PRO E-detectors exceeded [0.20 ... 1.50]
- **PRO E-45D, PRO E-45DH**: Timeout and filter adjustments

## **Firmware V1.41 IR8xx (non RF detectors)**

**2016-02-25**

- Adjustments of cover sensor threshold during start up
- Various improvements with PRO E-45D and PRO E-45DH series

## **Firmware V1.30R99 IR6xx (RF detectors)**

**2016-02-10**

- Alarm management changed for channel 1, 2, 3:
  - Channel 1: Alarm 1 - Intrusion Alarm
  - Channel 2: Alarm 2 - Fault (mainly low battery, not really important for you obviously)
  - Channel 3: Alarm 1+2 - Tamper (anti masking, alignment, tamper switch in bracket or lid)

## **Firmware V1.30 IR8xx (non RF detectors)**

**2015-09-10**

- Filter readout time modified during detector start-up
- PRO E-100, PRO E-100H, PRO E-400H: Heater check approach of 3-channel detectors adopted from single-channel detector. Non-heater PIRs do no longer initialise the heater attachment
- Internal production adjustments

## **Firmware V1.30 IR6xx (RF detectors)**

**2015-09-14**

- Internal production adjustments

## **Firmware V1.13R02 IR8xx (non RF detectors)**

**2015-07-08**

- Initialisation process of cover sensor improved
- Adjustments of threshold, filter and ATD factors for PRO E-45D and PRO E-45DH series

**Firmware V1.13R01 IR8xx (non RF detectors)****2015-06-11**

- Fix of incorrect parameter for the scope thresholds in ADPRO PRO software

**Firmware V1.13R00 IR8xx (non RF detectors)****2015-04-21**

- Initialisation process of AntiMask sensor improved

**Firmware V1.12R00 IR8xx (non RF detectors)****2015-03-06**

- Internal production adjustments concerning digital compass and heater element initialisation

**Firmware V1.11R06 IR8xx (non RF detectors)****2014-12-23**

- Internal detector test improvements concerning the temperature
- Adjustments of threshold and filter
- Walk test behaviour with standard PIRs (non H versions) optimised. Relay will be triggered only for IR alarms
- Internal production adjustments
- Initialisation process and threshold of heater element improved

**Firmware V1.10R04 IR8xx (non RF detectors)****2014-06-18**

- Internal production adjustments
- Initialisation process and threshold of heater element improved
- General performance improvements
- Power down behaviour optimised
- Heater power improvements