


# Shelly Pro 1PM Monitor

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|---|---|
| Manufacturer | **Shelly** |
| Model | **Shelly Pro 1PM** |
| Control platform | **Crestron Home** |
| Connection | **Local HTTP** |
| Driver developer | **iteQ Living** |
| Driver version | **1.0.55** |
| Document revised | **30 October 2026** |

## Overview

Monitor a Shelly Pro 1PM in Crestron Home using its local network connection.

## Features

Power monitoring, running/idle status and programming events. Optional installer-enabled relay control.

# Shelly Pro 1PM Monitor - installation and troubleshooting

Package: **iteQ_Living_Monitoring_Shelly_Pro1PM_IP.pkg**

Help PDF: **iteQ_Living_Monitoring_Shelly_Pro1PM_IP.pdf**

Catalogue revision: 17 October 2026. Driver version unchanged.

Installer guide for driver 1.0.55. This guide covers the tested Pro 1PM integration; compatibility with other Shelly models is not implied.

Catalogue: **Monitoring > Shelly > Shelly Pro 1PM (iteQ Living)**

## What it does

The driver reads a Shelly Pro 1PM over the local network and uses measured power to distinguish running from idle. It provides programming events for loss and restoration of communication, the supply being switched off, long running and inactivity. Optional relay control can be enabled by the installer.

Electrical installation and equipment protection must follow the manufacturer's instructions and be performed by an appropriately qualified person. This guide covers software configuration, not mains wiring.

## Before installation

Have the driver package, processor-bound licence and Crestron Home installation access available. Configure the Shelly on a network reachable by the processor. Record its local IP address and authentication details if authentication is enabled. A reserved network address helps prevent the driver losing contact when an address changes.

The driver uses local HTTP communication on port **80**. Use a trusted local network; do not expose the device directly to the public internet. Shelly cloud access is not the local monitoring path. Optional phone notifications through iteQ Alerts/Pushover need internet access and separate setup. Internet is required for first licence activation; a verified purchased licence is saved for offline verification.

## Install and configure

1. Import the supplied package through the local driver installation workflow in Crestron Home Setup.

2. Locate manufacturer **Shelly**, model **Shelly Pro 1PM (iteQ Living)**, and add it to the intended room.

3. Enter the Shelly's local IP address and port **80**. Where device authentication is enabled, supply its configured credentials; the driver's default username is **admin**.

4. Enter **Licence key** in installer settings. The settings describe a 24-hour trial when left blank; this is not a permanent licence.

5. Confirm that readings update and that they correspond to the connected equipment.

6. Configure the thresholds and timing below, observing the equipment during normal operation before choosing values.

## Installer settings

| Setting | Default | Use |
|---|---|---|
| Running threshold (watts) | 100 | Power must rise above this to classify the equipment as running. |
| Idle threshold (watts) | 50 | Power must fall below this to classify it as idle. Must be above zero and below the running threshold. |
| Long-run alert limit (minutes) | 2 | Continuous observed running limit; zero disables this alert. |
| Inactivity alert (days) | 0 | No-detected-activity interval; zero disables this alert. |
| Allow relay control | Off | Enables user power-control buttons when deliberately enabled. |

Defaults are starting values, not settings proven suitable for every load. The gap between idle and running thresholds helps prevent repeated switching of the indicated state. Within that gap the driver retains an already-known state; at startup the state can remain unknown until a threshold is crossed.

Keep relay control disabled unless intentional remote switching is appropriate for the installation. Monitoring a pump does not require enabling relay control.

## Tile visibility and feedback

**Show on Home page** defaults to off; **Show in Room page** defaults to on. Enable the Home tile where a quick equipment check is useful. These settings only change visibility: monitoring and programmed events continue when both are off.

Normal feedback focuses on the equipment and readings. The former Connected/Licensed status box is not shown during normal operation; connection and licence problems still need attention. If the app temporarily shows a duplicate tile after a change, close and reopen it before adding or removing driver instances.

## Programming events

| Exact event name | Meaning |
|---|---|
| Monitor unavailable | The monitor cannot currently provide valid communication/status. This does not establish the root cause. |
| Connection restored | Communication has recovered after being marked unavailable. |
| Supply switched off | A valid status reports the Shelly relay output as off. It is not a direct diagnosis of a building-wide power failure. |
| Device running longer than expected | Observed running has reached the configured limit. |
| Inactivity limit reached | The driver's inactivity conditions reach the configured limit. |

Events do not automatically send phone notifications. For notifications, install and configure **iteQ Alerts**, then connect the desired event to its **Send notification** action in Crestron Home programming. Enter a title and message that accurately describe the event.

Running detection is based on electrical power, not direct measurement of water flow or mechanical performance. Long-run duration reflects what the driver has observed; it is not guaranteed historical runtime across monitoring gaps. Inactivity is not proof that equipment has failed: the equipment may simply not have needed to run.

## Commissioning checks

- Observe idle and running states with the actual load and verify thresholds.

- Confirm relay control remains disabled unless required.

- Test communication loss and recovery without interrupting essential equipment: choose a safe test method appropriate to the installation.

- Confirm any required programming event reaches the intended action and, for notifications, the actual phone.

- Test long-run and inactivity behaviour with an appropriate commissioning plan; do not assume configured events have been validated without exercising them.

## Troubleshooting

| Symptom | Checks |
|---|---|
| Monitor unavailable | Check device power, local address, port, network reachability from the processor and credentials. |
| Check power thresholds | Ensure idle is greater than zero and running is greater than idle. |
| Incorrect running/idle state | Compare actual power against both thresholds. Values between thresholds retain an existing state. |
| Unknown state | Check fresh readings and thresholds; allow an observed reading outside the threshold gap. |
| Long-run alert absent | Check that the limit is not zero, running is continuously observed, licensing is valid and the event is programmed. |
| Inactivity alert absent | Check that the limit is not zero, valid observations are available and the event is programmed. |
| No phone notification | Test Alerts independently, then check the Shelly event-to-action programming. |
| No relay buttons | Relay control is disabled by default; enable only when deliberate power control is appropriate. |
| Licence issue | Check the purchased product and processor MAC; contact support before buying again. |

## Licensing and updates

Use **Obtain licence** in installer settings, or visit iteQ Living Driver Shop. One purchased licence covers this product on one Crestron Home processor. Use the processor MAC address when ordering, not the monitored device MAC. Multiple instances of the same product on that processor use the same key.

Leave the key blank for the 24-hour trial. The trial is recorded against the processor and product; reinstalling or adding another instance does not restart it. Internet access is required for trial validation and first purchased activation. A verified purchased licence is saved for offline verification after restart; keep the purchased key entered. This does not remove internet requirements for cloud services such as Pushover.

Licence key required means a purchased licence already exists for this processor/product but its key is missing. Trial expired means the trial has ended. An invalid key or unavailable check requires investigation; do not buy another licence to resolve a configuration issue. Connection status alone does not establish licence validity.

Update the existing driver instance using the supplied package. Preserve settings and the purchased key. If no update is offered, contact support before removing a working instance or adding duplicates.

## Support

Email **support@iteqliving.com** with the order number, driver version, processor model/software version, Shelly model/firmware, relevant status, thresholds and a description of the issue. Redact passwords and licence keys. Installation guidance and troubleshooting are included; custom development or hands-on commissioning is quoted separately.

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