# HOCHIKI

# HCVR-3
# CONVENTIONAL RELEASING FIRE ALARM CONTROL PANEL

## STANDARD FEATURES

- UL 864 Listed and FM Approved
- Three detection zones
- Any single zone or any combination of zones can be configured to release
- Fully programmable using simple menu options
- Simple, single board construction
- Installer friendly
- Compatible with wide range of detection devices
- Configurable first stage NAC delays
- Configurable detection delays
- Built-in Manual Release switch and separate circuit
- Compatible with FirePro® Xtinguish
- Compatible with various releasing valves
- Configurable releasing delays up to 60 seconds in 5 second intervals
- Configurable releasing duration up to 5 minutes in 5 second intervals
- Releasing countdown timer displayed on the LCD
- Supports up to seven HCVR-SDU or HCVR-AB
- Built-in relays for Fire, Trouble, Stage 1, Stage 2, Extract and Local Fire

## DESCRIPTION

The HCVR-3 is a 3 zone conventional releasing fire alarm control panel that is UL Listed and FM Approved for releasing.

The HCVR-3 can be configured to activate releasing by a single zone or combination of any two zones. The LCD display is used to show the countdown timer during activation of the releasing sequence.

The HCVR-3 is fully programmable using simple menu options. The panel is a single board construction which provides an easy replacement solution. It is also compatible with a wide range of devices.

## PRODUCT LISTINGS

SIGNALING

UL® LISTED
S6468

LISTING
STATE OF CALIFORNIA
STATE FIRE MARSHAL
SERVICE

California State Fire Marshal
7165-0410:0206

FM APPROVED
3046396

*Specifications subject to change without notice.*

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Find latest revision at **www.hochiki.com**

ISO 9001:2008 REGISTERED

F0154   04/2015

# SPECIFICATIONS

| | |
|---|---|
| Supply Voltage | 115VAC (50hz/60hz) or 230VAC (50hz/60hz) |
| Power Supply DC Rating | 24VDC 3 Amps total including battery charging |
| Mains Supply Fuse | 1.6 Amps 250VAC, slow-blow, 5 x 20mm |
| Dimensions | 15.2" (385mm)W x 12.2" (310mm)H x 3.5" (90mm)D |
| Weight | 12.3 lbs. |
| Color | Red or gray |
| Material | 1.2mm mild steel |
| Max. Battery Size | 7Ah 12V (2 per panel) |
| RS-485 Serial Bus | Maximum line impedance 120 Ohms |
| Trouble Contact Rating | 30VDC 1 Amp |
| Local Fire Contact Rating | 30VDC 1 Amp |
| Fire Contact Rating | 30VDC 1 Amp |
| 1st Stage Contact Rating | 30VDC 1 Amp |
| 2nd Stage Contact Rating | 30VDC 1 Amp |
| EXTING Contact Rating | 30 VDC 1 Amp contacts for (NO) and (C) |
| EXTING Contact Rating | 18 to 28VDC 1 Amp max load for 5 minutes and voltage reversing DC |
| NAC Output Rating | 0.5 Amp per output |
| Detection Zone End of line resistor | 6K8 Ohms 5% resistor |
| NAC Output | 10K Ohms 5% resistor |
| Stand by Current | 86 mA |
| Alarm Current | 620 mA |
| Operating Humidity | 93% (non condensing) |
| Operating Temperature | -5°C to +40°C |

# HOCHIKI AMERICA COMPATIBLE DEVICES

| MODEL | DESCRIPTION | MAX |
|---|---|---|
| **PANEL ACCESSORIES** | | |
| HCVR-SDU | Remote Status Display Unit | 7 |
| HCVR-AB | Ancillary Board | 7 |
| HCVR-SQA | Sequential Activator | 20 |
| HCVR-DS | Disconnect Switch | 1 |
| **DETECTORS** | | |
| SLR-24H | Photoelectric Smoke Detector w/heat | 20 |
| SLR-835 | Photoelectric 8-35V Smoke Detector | 20 |
| SLR-835/-835W | Photoelectric 8-35V Smoke Detector | 20 |
| SLR-835-BH-2W | Photoelectric 8-35V Smoke Detector w/heat | 20 |
| SLV-24V/-24/-24N | Photoelectric Smoke Detector | 20 |
| SIJ-24 | Ionization Smoke Detector | 20 |
| DCD-135 | 135° Fixed Temperature Rate of Rise Heat Detector | 20 |
| DCD-190 | 190° Fixed Temperature Rate of Rise Heat Detector | 20 |
| **BASES** | | |
| NS6-220 | 6" base, 43mA draw, 24V | 20 |
| NS4-220 | 4" base, 43mA draw, 24V | 20 |
| **PULL STATION/ABORT SWITCH** | | |
| HPS-SAK/HPS-DAH/HPS-SAH/HPS-DAK | Conventional Manual Pull Station | 1 |
| HCVR-AS | Abort Switch | 1 |
| **RELEASING VALVES** | | |
| HV2185328 | ASCO Solenoid | 1 |
| 8210G207 | ASCO Solenoid | 1 |
| 11601 | Viking Solenoid | 1 |
| 11602 | Viking Solenoid | 1 |
| 11592 | Viking Solenoid | 1 |
| 11591 | Viking Solenoid | 1 |
| 11596 | Viking Solenoid | 1 |
| 11595 | Viking Solenoid | 1 |
| 2823A-2NB-A4F6 | Snap-tite Solenoid | 1 |
| EA45 (510006) | Sevo Systems Solenoid | 1 |
| K-45-8017 | Kidde Solenoid (equivalent to 486500-01) | 1 |
| B6793-859 | Kidde Solenoid (equivalent to 81-100000-001) | 1 |
| 753-E Series | Victaulic Solenoid | 1 |
| 305350 Ci IS8B | Fire Eater Solenoid | 1 |
| 305451 Ci IS8B | Fire Eater Solenoid | 1 |