

INSTRUCTION MANUAL



IRONHORSE®

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 Specifications in this catalog are subject to change without notice due to continuous product development and improvement.

- HMMP-32HR, HMMP-63HR, HMMP-100HR
- HPX1-AUX20-F, HPX1-AUX11-F, HPX1-AUX02-F
- HPX1-AUX20-S, HPX1-AUX11-S, HPX1-AUX02-S
- HPX1-ALM11-S, HPX2-ALM11-S, HPX1-MALM11-S
- HPX1-UVT, HPX1-SHT
- HMX1-LM22, HMX2-LM32, HMX3-LM63, HMX4-LM100

- ⚠ **DANGER** : To failure to follow the message may results death or serious injury.
- ⚠ **CAUTION** : To failure to follow the message may results minor injury or physical damage.

⚠ **DANGER**
 1. Turn off the power before starting mounting, dismounting, wiring, maintenance or inspection. Failure to do may results in an electric shock.

⚠ **CAUTION**
 1. Customers, engineers, operators should read this instruction carefully before starting all worked with this product.
 2. Mounting, detaching, wiring, maintaining and checking should be done by an authorized or certified person.
 3. This product should not be used in severe environment such as high temperature, high humidity dusty, corrosive gas, excessive vibration and impulse they may result in fire or malfunction.

Make sure that the handle is in the OFF position before Installing and Uninstalling the accessory.



Installation

VAC/VDC

- For single-phase applications, the three poles have to be connected in series.
- Leave a space of 0.35 inches between 2 circuit breakers.

Installation

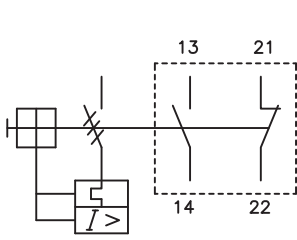
- Do not install 'HPX1-ALM11-S', 'HPX2-ALM11-S' in TRIP position.
- Temporary 10 second of signal only for Shunt trip devices.

Separation

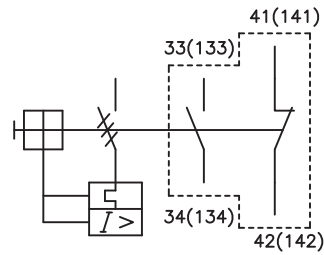
Direct Adapter

Circuit Diagrams of AUX. Switch and Alarm unit

■ HPX1-AUX11-F

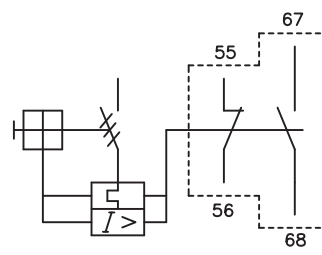


■ HPX1-AUX11-S

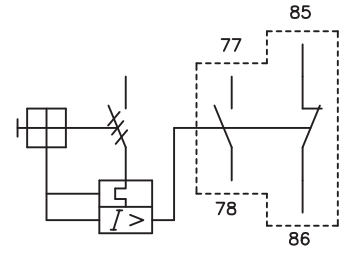


■ HPX1-ALM11-S

■ HPX2-ALM11-S



■ HPX1-MALM11-S

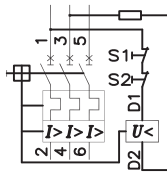


Circuit Diagrams of Shunt and Under-voltage release

■ Typical circuit

Circuit Breakers tripped by means of PUSH BUTTON or EMERGENCY STOP BUTTON in the system.

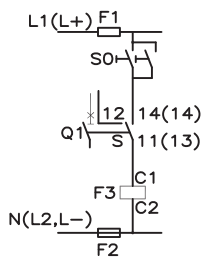
- HPX1-UVT... Fuses(gL/gG)
max. 10A



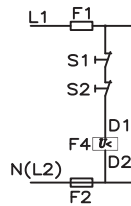
- | | |
|---|-------------------------------|
| S0 : ON Pushbutton In system | F1,F2 : Fuses(gL/gG)max. 10A |
| S1,S2,S3 : OFF Pushbutton In system | F3 : Shunt Release(RS) |
| Q1 : Circuit Breaker | F4 : Undervoltage Release(RU) |
| S1 : Auxillary switch of Circuit breaker Q1 | |

■ External circuit

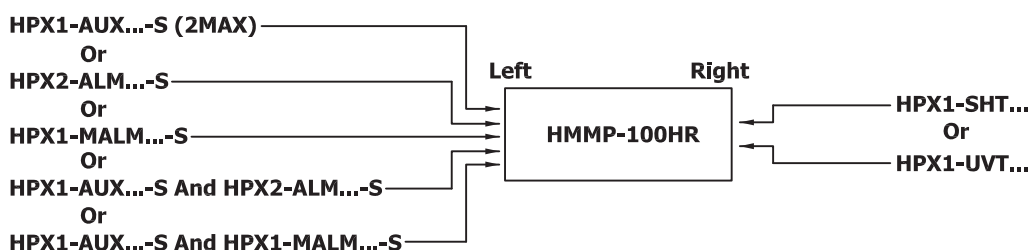
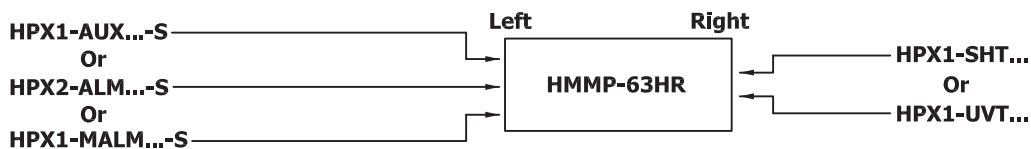
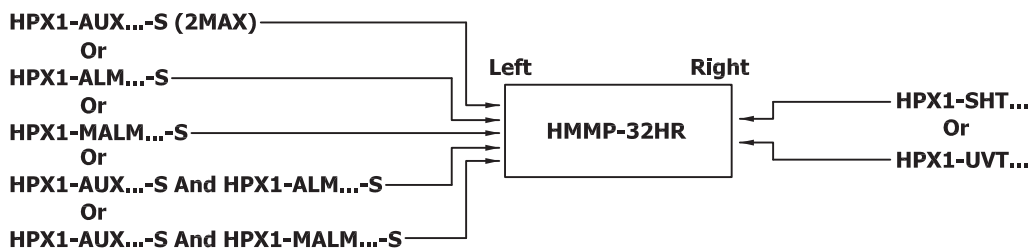
- HPX1-SHT...



- HPX1-UVT...



Summary of Side-mounting



■ Please make sure to choose proper ALM...-S before use because ALM...S for HMMP-32HR and HMMP-63HR/100HR is different.