AHD-DV
AHD-DV series
Advanced Digital Motor Controller



The **AHD-DV Advanced Digital Hoist Controller** was designed to control **up to 24 electrically compatible motors**, either separately or simultaneously – controlled locally or with a cable remote.

The device is equipped with unique **APA** (**Automatic Phase Align**) module, which guarantees that the **motors** are moving **in the same direction** on any align of input phases. If any line wire is disconnected, the hoist controller stops to ensure **safe operation**.

Another feature of **AHD-DV** is the **AVM** (**Automatic Voltage Metering**) module. This module checks main voltage for AC 400V +-20%, **star configuration** and **protects the hoists** in case of problem with main voltage.

The unit will **NOT** go into the safe function if:

- **one phase is missing**
- **there is under-voltage on lines**
- **there is over-voltage on lines**

All electrical components carry their own individual **CE** and comply with the **European Directives**. The unit is housed in a **robust steel 19" rack** with powder coating and complies with CE according to the **Certification of conformity** that comes with it.

The **AHD-DV** has an additional **key switch** for the **Group-stop function**. When active, the **MCB trip** of any hoist will cause an **E-STOP** on all connected hoists.

If remote control is needed, **please add one of following control stations**:

- **CMC-AHD controller** - Directional cable re

- Controls **up to 24 hoists from remote**
- Controls **up to 384 hoists via AHD link**
- Hoist types: **BGV D8, BGV D8+**
- **Emergency STOP** circuit according to: **IEC60204, SIL3**
- Power output for WMCseries via **PowerCon connector**
- **1.5m 5G6/5G10mm2 power cable** with **CEE32A/5p** or **CEE63A/5p** connector
- Outputs protected by **a main RCD** and **C16A MCBs**
- **REVERSE** button

Features:

- **APA** - Automatic phase sequence check and align
- **AVM** - Automatic voltage check and hoist protection
- **GCT -** Group channel control via CMG remote
- **RRST -** Remote reset function

Compatible with:

- **Chainmaster/Movecat/Liftket/Tourrig**
- **CM lodestar**
- **GIS**
- **LITEC/EXE**
- **Trabes**
- **Prolyft**
- **Verlinde/Stagemaker**

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Variants

Output: snap-in terminals

- *945216* AHD8-DV-SCT 8-ch, 6U, snap-in terminals
- *945221* AHD4-DV-SCT 4-ch, 6U, snap-in terminals
- *945225* AHD12-DV-SCT 12-ch, 6U, snap-in terminals
- *945223* AHD16-DV-SCT 16-ch, 10U, snap-in terminals
- *945214* AHD24-DV-SCT 24-ch, 12U, snap-in terminals

Output: CEE

- *945216* AHD4-DV-CEE 4-ch, 6U, 4xCEE16/4
- *945220* AHD8-DV-CEE 8-ch, 6U, 8xCEE16/4
- *945240* AHD12-DV-CEE 12-ch, 8U, 12xCEE16/4
- *945226* AHD16-DV-CEE 16-ch, 12U, 16xCEE16/4
- *945247* AHD24-DV-CEE 24-ch, 12U, 12xCEE16/4

Output: Socapex 19

- *945222* AHD4-DV-SX.4CEE 4-ch, 6U, 1xSX19 + 4xCEE16/4
- *945229* AHD8-DV-SX.4CEE 8-ch, 6U, 2xSX19 + 4xCEE16/4
- *945201* AHD12-DV-SX.4CEE 12-ch, 6U, 3xSX19 + 4xCEE16/4
- *945227* AHD16-DV-SX.4CEE 16-ch, 12U, 4xSX19 + 4xCEE16/4
- *945203* AHD24-DV-SX.4CEE 24-ch, 12U, 6xSX19 + 4xCEE16/4

Output: HARTING 16

- *945218* AHD4-DV-H16.4CEE 4-ch, 6U, 1xH16 + 4xCEE16/4
- *945236* AHD8-DV-H16.4CEE 8-ch, 6U, 2xH16 + 4xCEE16/4
- *945224* AHD12-DV-H16.2CEE 12-ch, 6U, 3xH16 + 2xCEE16/4
- *945213* AHD12-DV-H16.4EE 12-ch, 9U, 3xH16 + 4xCEE16/4
- *945246* AHD16-DV-H16.4CEE 16-ch, 12U, 4xH16 + 4xCEE16/4
- *945230* AHD24-DV-H16.4CEE 24-ch, 12U, 6xH16 + 4CEE

Outputs

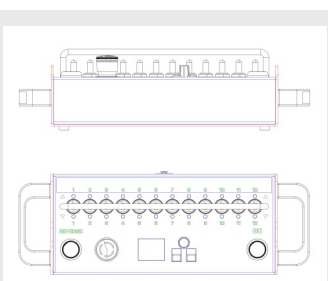

HARTING 16


Socapex 19


CEE16A/4p


Screw terminal

Related products


ADR-AHD



CMG-AHD

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