

# AHD-LV

## AHD-LV series

### Advanced Digital Motor Controller

The **AHD-LV Advanced Digital Hoist Controller** was designed to control **up to 24 electrically compatible motors**, either separately or simultaneously – controlled via **CMCseries Digital Cable Remote Controller**.

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-LV** 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-LV** 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-DIGI-AHD controller** - Directional rem

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- 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 **RCD30mA** and **C10A/C16A** per output MCB

#### 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: Socapex 19   Output: HARTING 6   Output: HARTING 16   Output: HARTING 24   Screw terminal outputs for permanent installations
- 945056 AHD4-LV-2SX19 4-channel, 6U
  - 945009 AHD6-LV-2SX-6-channel, 6U
  - 945016 AHD8-LV-D2SX 8-channel, 6U
  - 945015 AHD8-LV-4SX19 8-channel, 6U
  - 945002 AHD12-LV-4SX 12-channel, 6U
  - 945008 AHD12-LV-4SX-63 12-channel, 6U
  - 945007 AHD16-LV-D4SX 16-channel, 9U
  - 945001 AHD24-LV-8SX 24-channel, 9U
  - 945018 AHD8-LV-8H6-8-channel, 6U
  - 945017 AHD8-LV-2H16 8-channel, 6U
  - 945019 AHD12-LV-3H16 12-channel, 6U
  - 945029 AHD12-LV-3H16-63 12-channel, 6U
  - 945053 AHD12-LV-2H24 12-channel, 6U
  - 945071 AHD12-LV-3H24 12-channel, 6U
  - 945023 AHD4-LV-SCT 4-channel, 6U
  - 945022 AHD6-LV-SCT 6-channel, 6U
  - 945004 AHD8-LV-SCT 8-channel, 6U
  - 945038 AHD12-LV-SCT 12-channel, 6U
  - 945014 AHD16-LV-SCT 16-channel, 6U
  - 945003 AHD24-LV-SCT 24-channel, 9U

## Outputs



HARTING 16



Socapex 19



HARTING 6



Screw terminal

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