

# 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 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-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-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**

## Variants

Output: CEE	Output: HARTING 16	Output: Socapex 19	Screw terminal outputs for permanent installations	HARTING 16 + Socapex 19
- 945042 AHD4-DV-CEE 4-channel, 6U	- 945048 AHD4-DV-H16 4-channel, 6U	- 945047 AHD4-DV-SX19 4-channel, 6U		- 945028 AHD12-DV-H16SX19C 12-channel, 9U
- 945043 AHD8-DV-CEE 8-channel, 6U	- 945010 AHD8-DV-2H16 8-channel, 6U	- 945025 AHD8-DV-2SX19 8-channel, 6U		
- 945012 AHD16-DV-CEE 16-channel, 14U	- 945024 AHD12-DV-3H16 12-channel, 6U	- 945011 AHD12-DV-3SX19 12-channel, 6U		
- 945013 AHD24-DV-CEE 24-channel, 14U	- 945057 AHD24-DV-6H16 24-channel, 14U	- 945052 AHD16-DV-4SX19 16-channel, 9U		
		- 945034 AHD24-DV-6SX19 24-channel, 14U		
			- 945078 AHD4-DV-SCT 4-channel, 6U	
			- 945026 AHD8-DV-SCT 8-channel, 6U	
			- 945006 AHD12-DV-SCT 12-channel, 6U	
			- 945058 AHD16-DV-SCT 16-channel, 14U	
			- 945041 AHD24-DV-SCT 24-channel, 14U	

## Outputs



## Related products



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