

One Unit for...



speed control

position control

overspeed control

+

additional electronic functions ...

... that's the **UNIT-ONE**

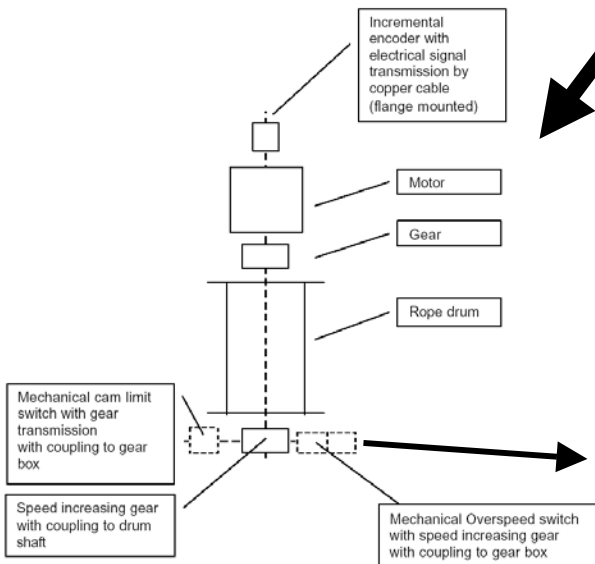
New encoder solution UNIT-ONE

Example HOIST

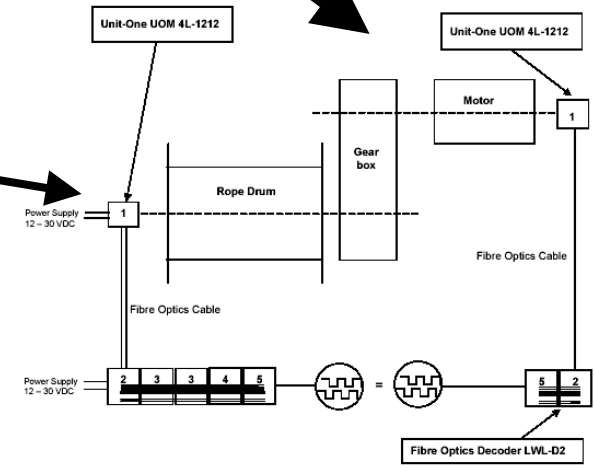
Encoder assemblies for hoist drum



UNIT-ONE



old solution



UNIT ONE ELECTRONIC FUNCTION MODULS

- 2. UO-EM-D2 Decoder / Receiver
- 3. UO-EM-EGS4 Overspeed Switch: 2 Programmable Switching Speeds
- 4. UO-EM-AMC Absolute Output (CAN-Bus)
- 5. UO-EM-FG Incremental Output

new solution

New encoder solution UNIT-ONE

The principle of UNIT-ONE

Electronic modules of Unit-One for switchboard installation

basic unit

electronic moduls UO-EM- ->

2 fibre optics cables

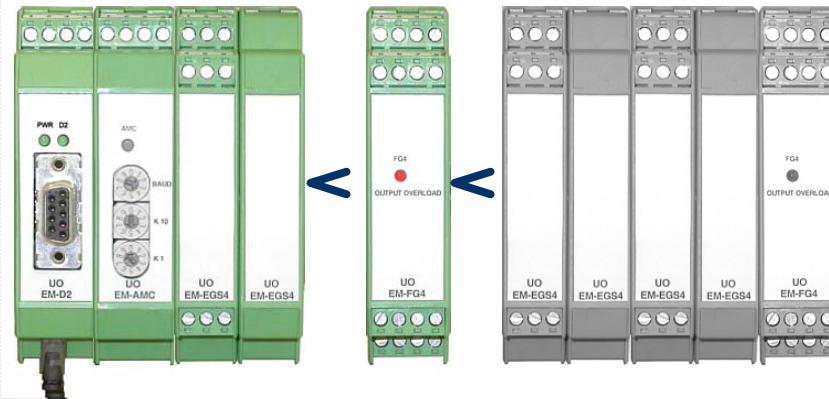


Unit-One UOM 4 L-1212 with fibre optics

switchboard

decoder D2

pulse output FG



more functions

absolute output

- CAN Bus
- PROFI Bus
- SSI

overspeed output EGS 4
0,63 – 4800 rpm

Up to 6 functions in one unit

- pulse output
- absolute position
- overspeed switch
- electronic position switch
- output multiplier/splitter
- remote monitoring/programming

New encoder solution UNIT-ONE

Electronic function modules



Advantages

- **Modular electronic modules for safe switchboard installation**
- **Extreme reduction of cable costs**
- **Easy to extend**
- **High flexibility**
- **Saving spares**

New encoder solution UNIT-ONE

Example HOIST



**UNIT-ONE basic unit
installed on STS cranes Eurogate Hamburg**

New encoder solution UNIT-ONE

Example HOIST



UNIT-ONE electronic function moduls
installed on STS cranes Eurogate Hamburg