



## APPLICATIONS

Motor Machines

Power take-off machines

Wood chipper

Stone Crusher

## ehb HC 960 (v2)

The Wood Chipper Control HC 960 offers essential functions for controlling wood chippers. The compact control system can be variably used for retrofitting a machine.

The Wood Chipper Control HC 960 automatically controls the intake rollers of a wood chipper or stone crusher, a tachometer, a day counter and a total operating hours counter are integrated. The cut-off speed can be permanently programmed or can be permanently set during operation.

### Compact chipper control and application monitoring

The minimal dimensions of the control unit allow it to be installed in a minimum of space. Time-saving connection via central plug. The operating functions are visible immediately at a glance

### Fully automatic and semi-automatic operating mode

Semi-automatic mode is clearly displayed visually (flashing display). Optionally the start acknowledgement can be activated, which suppresses the first automatic start-up for safety reasons.

### Display of various operating parameters

Simple and clear parameter setting. The parameter menu can be protected by an adjustable password.

### Programmable speed settings control the infeed automatically

Optimized speed input for exact speed measurement.  
Speed indication on the display

### Input of speed limit values as fixed values or as % of normal speed

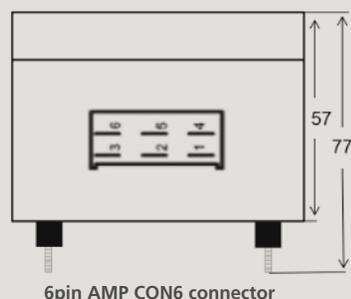
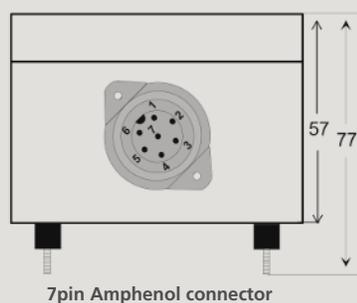
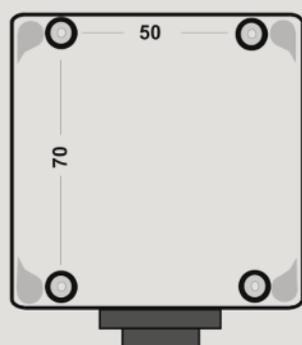
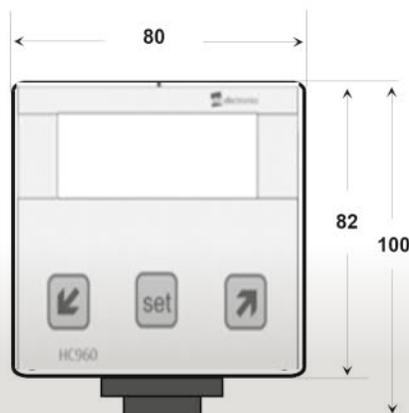
The normal speed can be adapted to requirements or programmed as a fixed value by pressing a key during operation.

### Total operating hours counter and a resettable daily operating hours counter

Reliable information about the shredder running times and transparent overview of the operating times. Password protected daily operating hours counter.

### Selectable voice output

Currently are available: German, English, French, Spanish



## ehb HC 960 (V2)

### TECHNICAL DATA

Art. Nr. ehb5491: HC 960 Version 7pin Amphenol connector  
 Art. Nr. ehb5492: HC 960 Version 6pin AMP CON6 connector

#### Technical data

Voltage range	5 – 32V
Operating temperature	-20°C to +70°C temporary discoloration of the display
Storage temperature	-30°C to +80°C
Inputs	Speed input for inductive encoder
Outputs	Output for hydraulic valve (2A) semiconductor, short-circuit protected
CAN bus interface	250 kBit/s, CAN 2.0, SAE J1939
Total operating hours counter	0...99999 h
Daily operating hours counter	0...99:99 h
Speed measurement	1...5000 rpm
Pulses per revolution	1...60
Lower speed limit value	0...99% of normal speed
Restart speed	0...99% of normal speed

#### Visualisation

Display type	LCD
Resolution	32x128 Pixel
Background lighting	yes
Display	Black and white graphic display

#### Mechanical data

Housing dimensions (L x W x H)	82 x 80 x 57 mm
Housing dimensions 7pin (L x W x H)	82 x 80 x 100 mm
Housing dimensions 6pin (L x W x H)	82 x 80 x 89 mm
Mounting dimensions (L x W x H)	82 x 80 x 77 mm (with rubber-bonded metal)
Housing material	ABS, PC (UV stabilized), light grey, Cover screw V2A
Weight - without mounting connector	192g
Installation	4 x rubber-bonded metal, M4x10
Protection class	IP54
Connection	7pin. Amphenol connector or 6pin AMP-CON-6 connector

#### Test standard

Humidity	DIN EN 60068-2-3
Vibration	DIN EN 60068-2-6
Impact	DIN EN 60068-2-27
EMV	DIN EN 61000-6-4, DIN EN 61000-4-20, DIN EN 61000-4-2, DIN EN 61000-4-3, DIN EN 61000-4-20, ISO 11451-1, DIN EN 61000-4-4, 61000-4-5, DIN EN 61000-4-6
CE label	according to directive 2014/30/EU

#### Accessories

Connection wiring harness	ehb2106b
Inductive sensors PNP	M07023a

