ehb electronics gmbh
smart industrial electronics

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.

APPLICATIONS

Motor Machines

Power take-off machines

Wood chipper

Stone Crusher

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

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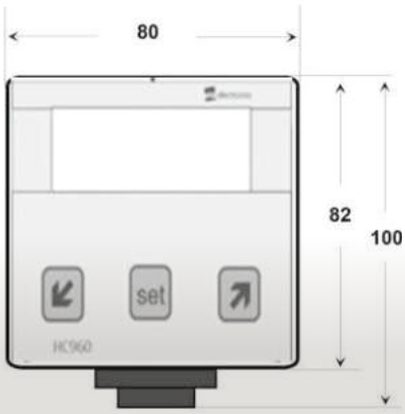
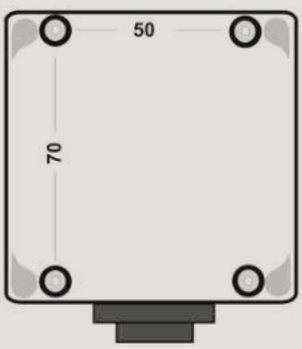
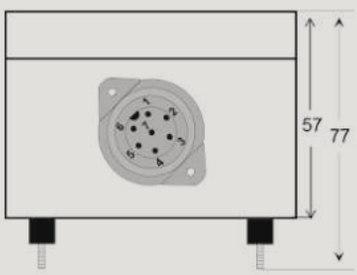
TECHNICAL DATA

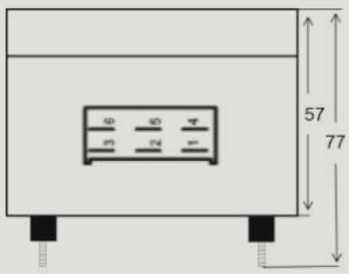
Art. Nr. EHB5491A: HC 960 Version 7pin Amphenol connector
Art. Nr. EHB5492A: HC 960 Version 6pin AMP CON6 connector







7pin Amphenol connector



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 1,5 m	EHB2106B for EHB5491A
Connection wiring harness 0,2 m	EHB5362 for EHB5492A
Inductive sensors PNP	M07024A

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