

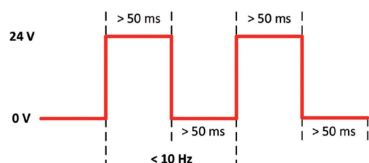




WIN Transmitter for KombiSIGN 72 and 71



WIN slave,
WIN slave performance and
WIN slave control



The counter impulse of the
WIN slave performance is max. 10 Hz

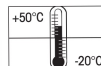
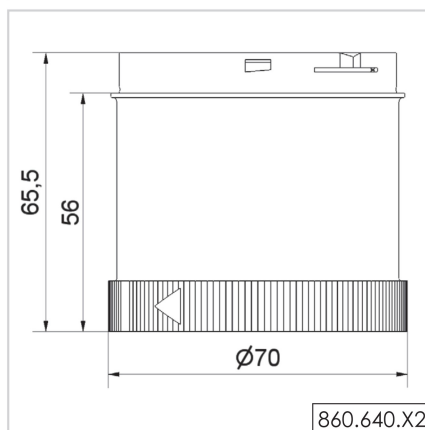


Expandable at any time: With
additional "WIN slaves"
up to 50 machines can be
integrated into the network

① TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

	WIN slave	WIN slave performance	WIN slave control
Dimensions (Ø x Height):	70 mm x 66 mm	70 mm x 66 mm	70 mm x 66 mm
Housing:	PC, black	PC, black	PC, black
Function:	Status monitoring	Status monitoring + Counting	Switching + controlling
Counter input:	-	Max. 10 Hz	-
Max. current output continuous:	-	-	750 mA
Peak current output 10 ms:	-	-	3,6 A
Min. current:	-	-	0,1 mA
Max. current per tier:	-	-	250 mA
Wireless connection ISM frequency:	868 MHz (WIN conforms to the EU's EN 300220 harmonised standard and can thus be used in all EU member countries.) Further countries upon request		
Transmission range:	Up to 300 m (unobstructed line of sight) Every transmitter simultaneously functions as a "repeater", enabling the transmission range to be significantly increased.		
Operating voltage:	24 V AC/DC	24 V AC/DC	24 V AC/DC
Current consumption:	40 mA, max. 430 mA	40 mA, max. 430 mA	70 mA, max. 2 A
Order no.:	860 640 02	860 640 12	860 640 22

↪ TECHNICAL DIAGRAMS:





WIN Receiver for KombiSIGN 72 and 71

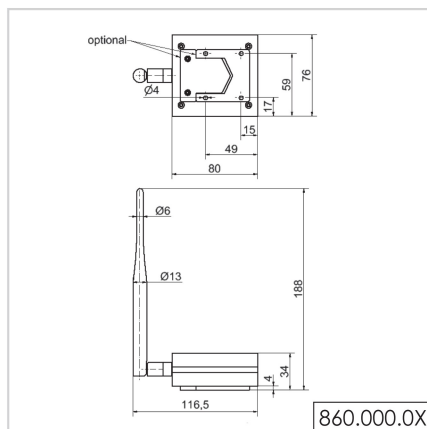


The software package allows you to monitor a production area or individual workstations from the comfort of the PC

① TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

	WIN ethernet master
Dimensions (L x H x W):	76 mm x 30 mm x 80 mm (without antenna)
Housing:	ABS, black
Function:	Data collection
Connetion data transmission:	RJ45 Ethernet (10Base-T/100Base-TX IEEE 802.3 compliant)
Connection configurator:	Via USB
Wireless connection ISM frequency:	868 MHz (WIN conforms to the EU's EN 300220 harmonised standard and can thus be used in all EU member countries.) Further countries upon request
Suitable for:	Windows®, Sytem requirements - see Handbook
Assembly:	Receiver, USB power supply, Ethernet Cable (3 m), Software, Adapter supplied (EU, UK, North America)
Operating voltage:	Via Power supply (115-230 V AC, 50-60-Hz)
Peak current output:	2.1 A
Max. power output:	10.5 W
Current consumption:	< 160 mA (max. 800 mA)
Order no.:	860 000 06

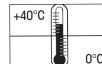
↔ TECHNICAL DIAGRAMS:



860 000 00



860 000 06

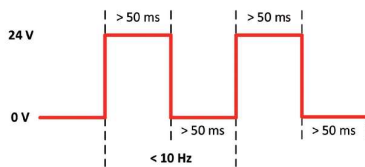




WIN Transmitter for KombiSIGN 72 and 71



WIN transmitter,
WIN transmitter performance and
WIN transmitter control



The counter impulse of the
WIN transmitter performance
is max. 10 Hz

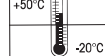
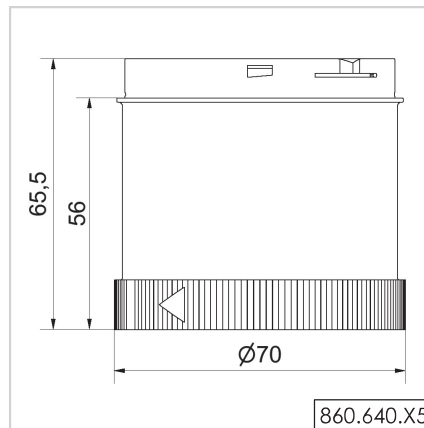


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Counter input:	-	Max. 10 Hz	-
Max. current output continuous:	-	-	750 mA
Peak current output 10 ms:	-	-	3,6 A
Min. current:	-	-	0,1 mA
Max. current per tier:	-	-	250 mA
Wireless connection ISM frequency:	915 MHz (WIN conforms to the EU's EN 300220 harmonised standard and can thus be used in all EU member countries.) Further countries upon request		
Transmission range:	Up to 300 m (unobstructed line of sight) Every transmitter simultaneously functions as a "repeater", enabling the transmission range to be significantly increased.		
Operating voltage:	24 V AC/DC	24 V AC/DC	24 V AC/DC
Current consumption:	40 mA, max. 430 mA	40 mA, max. 430 mA	70 mA, max. 2 A
Order no.:	860 640 05	860 640 15	860 640 25

↔ TECHNICAL DIAGRAMS:





WIN Receiver for KombiSIGN 72 and 71

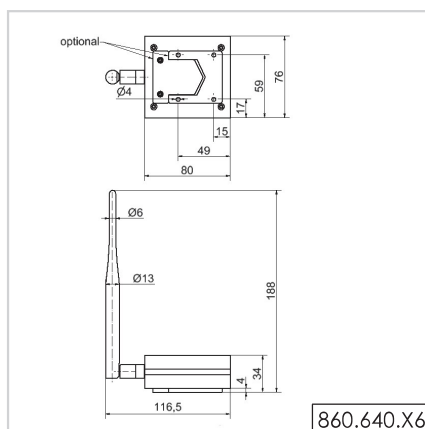


The software package allows you to monitor a production area or individual workstations from the comfort of the PC

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	WIN ethernet receiver
Dimensions (L x H x W):	76 mm x 30 mm x 80 mm (without antenna)
Housing:	ABS, black
Function:	Data collection
Connetion data transmission:	RJ45 Ethernet (10Base-T/100Base-TX IEEE 802.3 compliant)
Connection configurator:	Via USB
Wireless connection	915 MHz (only for use in North America)
ISM frequency:	Further countries upon request
Suitable for:	Windows®, Sytem requirements - see Handbook
Assembly:	Receiver, USB power supply, Ethernet Cable (3 m), Software, Adapter supplied (EU, UK, North America)
Operating voltage:	Via Power supply (115-230 V AC, 50-60-Hz)
Peak current output:	2.1 A
Max. power output:	10.5 W
Current consumption:	< 160 mA (max. 800 mA)
Order no.:	860 000 07

↔ TECHNICAL DIAGRAMS:



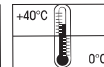
860.640.X6



860 000 00



860 000 06



INTUITIVE AND CLEAR – THE WIN SOFTWARE

The **software supplied with the system** is easy to install and leads the user through a series of steps to establish an individual network. It displays the status condition of signal lights installed in the system, enables the user to **analyse runtimes, identify causes of disruption** in operations and therefore **improve efficiency**.

TECHNICAL DETAILS

Suitable for:	Windows®, System requirements – see Handbook
Language:	German, English, French, Chinese and Polish
Included in the delivery with the items:	860 000 00, 860 000 01, 860 000 06, 860 000 07

KEEP UP TO DATE WITH CHANGES MESSAGING SERVICE

React quickly regardless of your current location. If the status of a machine or workstation changes an Email can be automatically sent to a PC or Smartphone of the person responsible. You can select to whom and after which time interval of the status change the Email is to be sent.



EASY TO CREATE REPORTS AND EXPORT FUNCTION

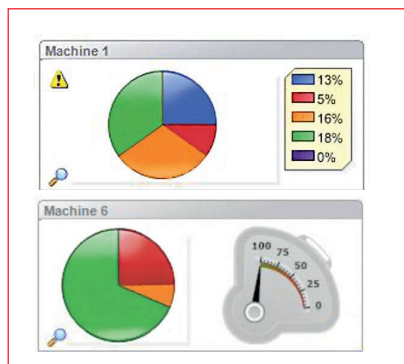
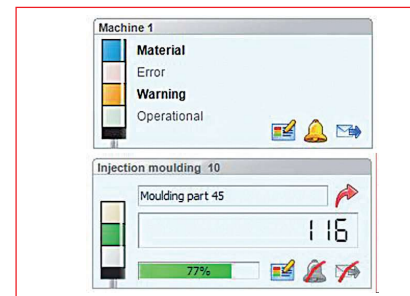
The user-friendly report function in the Control Station, Productivity, Run time and Job modules offers the possibility of converting all existing data into individual reports (in tabular and/or graphical form). The report can then be individually amended, printed out, and be saved in various data formats (pdf, HTML, Excel, CSV, jpg).

INCLUDE A RANGE OF USERS MULTIPLE OPERATOR ACCESS

The software uses a structure based on a database and can be used by any number of users. The database needs to be installed on a shared drive on your network to allow multiple users access to the system.

REACT QUICKLY CONTROL STATION

The Control Station shows you the operating condition of all machines or workstations being monitored so you can quickly see if a machine is in an error condition or running normally, or monitor which order is being worked on and the status of that order. This module helps you to quickly take action to reduce downtime.



INCREASE EFFICIENCY PRODUCTIVITY MODULE

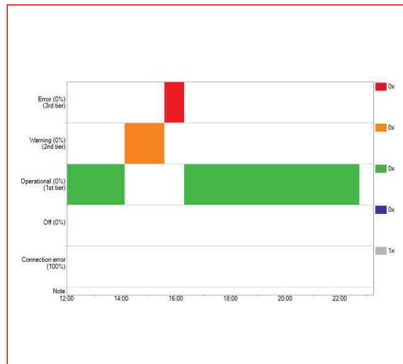
Using the Productivity Module you can check the productivity of your machines and workstations over any time period. You can look for example at the last working day, or define specific time periods such as shift patterns. Using this module it is possible to retrospectively analyse downtime and fault conditions and thus help improve efficiency in the future.



UPTIME / DOWNTIME

TOTAL PRODUCTIVITY OVERVIEW

Define the productive and non-productive statuses of the machine. The Productivity Module then enables you to analyse the real productivity of a machine, groups of machines or the complete workshop.



OBTAIN TRANSPARENCY

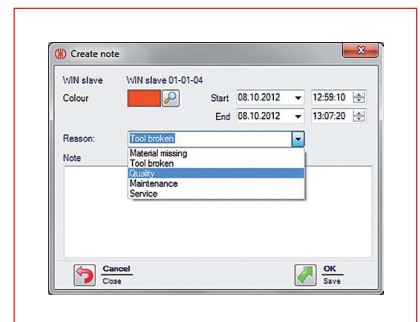
RUNTIME MODULE

The Runtime Module enables you to check the operation and downtimes of your machines or workstations. This allows you to compare several machines with one another in order to detect and eliminate errors that affect the production process. This leads to sustainable process improvements.

DOCUMENT PROBLEMS

ERROR ANALYSIS

Identify, comment and analyse the fault conditions. First of all define the most common reasons for fault status occurring, for example material shortage. It is then possible to retrospectively analyse the frequency and length of the fault conditions and ensure that the cause can be eliminated.



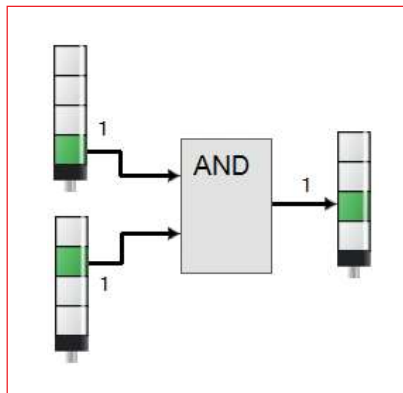
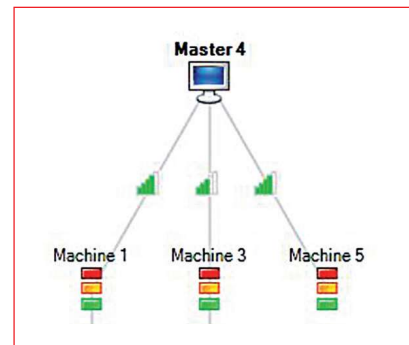
Description	Status	Fulfillment level
Part 21	Completed	100%
Part 78	Completed	100%
Part 43	Completed	100%
Part 500	Completed	100%
Moulding part P20123	Completed	100%
Tool 556	Running	39%
Tool 25	Running	39%
Part 677	Waiting	0%
Part 322	Waiting	0%
Part 456	Waiting	0%

OVERVIEW OF JOBS BEING RUN

The module gives you a comprehensive overview of which job is running on which machine and how the job is progressing.

STABILITY OF THE NETWORK ROUTING MODULE

All transmitters automatically form a network. The Routing Module assists in setting up or adjusting the best network for WIN. The route network graphic shows the current set up of the WIN network and the signal strength of each "WIN slave/transmitter" or WIN slave performance/transmitter performance" and mainly serves diagnostic purposes.



CONTROL AND SWITCH "CONTROL" MODULE

Define simple logic rules in the "control" module to link the statuses of all connected signal towers and transmit them on to the "WIN slave control" hardware.

This allows you to implement a head-of-line function, for example, or to switch devices on and off.

