the modern annunciator

This new drop-type annunciator **FSM 10** combines robust signalling technology – a million times approved in hard operating conditions in vehicles – with intelligent electronics and software. The flexible module is designed for universal use.

It is equipped with 10 large, amber fluorescent flip-dot elements. These indicator elements allow the optical visualisation of the actual state of messages in a clear and appealing manner. The signals are permanent-magnetic stored in case of a supply voltage breakdown. Every flip-dot has a light-emitting diode to indicate the message status (e.g.. acknowledged signal or new, not yet acknowledged signal).

Parameterization is very flexible using DIP-switches or, if required, can be done individually by means of software.

Alongside the standardized failure indication sequence the module provides all functions of the signalling technology to connect the 10 channels, the 4 integrated keys and to set free parameters.

All message sequences are available in a non-volatile history –memory. For the analysis of the memory it's content can be printed out via RS232 or the memory content can be shown using a laptop computer . The data are provided with a time stamp with a resolution of 5 ms.

For processing of the gathered information, for synchronisation of several modules among each other or for the print-out of the history a CAN-bus-interface and a serial RS232 interface are available. Via CAN-bus-interface a remote operation or telecommunication using the MFW-remote control technique can be built up (e.g. transmission of the failure indication by short message service to a mobile telephone).

Parameter setting and software update of the annunciator is done by flash-technology over the serial interface.

Despite the numerous possibilities to assign parameters the **FSM 10** can immediately be set in operation with the usual standard sequence without the need of parameter setting by the end-user.

This annunciator, which is housed in a 96 x 96 plastic enclosure for panel mounting complies with all appropriate standards and fulfills all requirements which are essential for hard field conditions in industrial environment.

EES Elektra Elektronik GmbH & Co Störcontroller KG

Hummelbühl 7-9 • D-71522 Backnang/Germany • Postfach 12 40 • D-71502 Backnang

Telefon: (0 71 91) 182-0 • Telefax: (0 71 91)182-200 • e-Mail: info@ees-online.de

Internet: www.ees-online.de