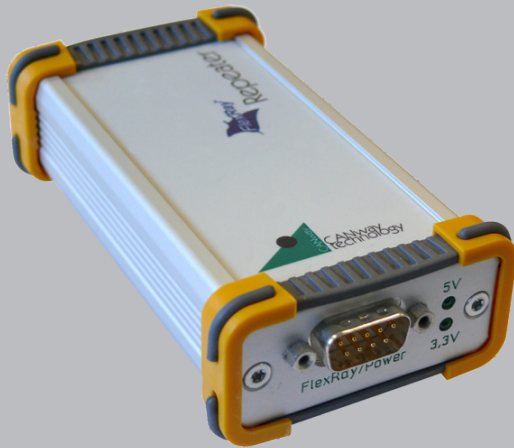# CW-114
FLEXRAY™-REPEATER

Conforming fully with FlexRay™ specifications the FR repeater facilitates gross transmission rates up to 10 Mbps. It can be used to extend a bus (by 24 m per FlexRay™ repeater), to increase the number of stations as well as to link different bus topologies. To substantially eliminate disturbances on the bus line the FlexRay™ repeater regenerates the transmission signals and transmits them a new. The FlexRay™ repeater provides electrical isolation between the two connected FlexRay™ bus segments. The correct power supply is indicated visually via integrated status LEDs.

In line with specifications up to two FlexRay™ repeaters can be joined in series. FlexRay™ repeaters can be connected at any time to a FlexRay™ cluster by means of a short spur line. For this purpose a prefabricated cable assembly that also feeds the power supply is available as an accessory.

PERFORMANCE CHARACTERISTICS

■ Repeater function for a FlexRay™ cluster

■ Extend bus by 24 m for real-time capable signal amplification (FlexRay™ compliant)

■ Option to extend bus by more than 24 m, if it is possible to neglect real-time capability (e.g., for unidirectional monitoring)

■ Rugged housing

CANWAY
TECHNOLOGY | ENGINEERING

FlexRay™-INTERFACE

Number	2
Type	Channel A, system startup support of FlexRay-network via repeater
Data rate	10 Mbit/s
Termination	-
Connector	D-Sub 9 pin connector per port

POWER SUPPLY

Supply voltage	9 VDC to 18 VDC

ENVIRONMENTAL CONDITIONS

Temperature range operation	0 °C to +70 °C
Temperature range storage	−20 °C to +78,5 °C
Relative humidity	35 % to 85 %, non-condensing
Protection class	IP40

GENERAL INFORMATION

Housing	Aluminium housing
Dimensions (LxWxH)	115 mm x 65 mm x 33 mm
Weight	170 g

FURTHER DEVICES CW-100 SERIES

CW-101 CAN-USB-Interface	CW-131 Optical Transmission of FlexRay, CAN and LIN
CW-102 CAN-Ethernet-Interface	CW-140 Interface for CAN and LIN
CW-121 CANnect II Gateway for CAN and LIN	CW-141 CAN bus and CCP-Analyzer