Made in EU CE **KNX**

| Indoor | LED | Network | Household | Building Automation |

■ Features

· KNX TP Line coupler/Repeater
· Telegram filtering function
· Long messages support up to 240 byte APDU
· Trace the subline traffic
· Diagnostic functions
· Manual function
· 3 years warranty

■ Applications

· Office lighting
· Smart home lighting
· Luxury villas lighting
· LED indoor lighting
· Building automation

■ Description

The KNX TP Media Coupler KSC works as a KNX line/area coupler to provide a bi-directional data connection between two KNX TP lines/areas. KNX TP main line and KNX TP subline are coupled having a galvanic isolation in between. Using the TP Coupler application, KSC can be used as a KNX TP line coupler to connect several KNX TP lines but also as a KNX TP area coupler to connect several TP areas or different KNX TP installation systems via a TP Backbone. Telegram filtering is accomplished according to the installation place in the hierarchy and according to the built-in filter tables for group communication. For detailed diagnosis all operational modes/states are shown by a duo-LED display. Using the TP Repeater application, KSC is able to extend a KNX TP line providing unfiltered data transfer and galvanic isolation between segments. Up to four-line segments can form a single KNX TP line by connecting three KSC line repeaters. Each line segment requires its own
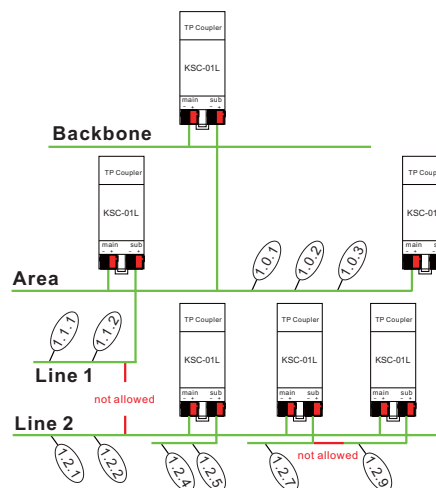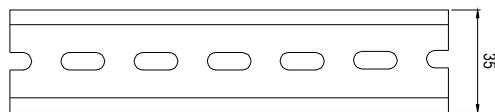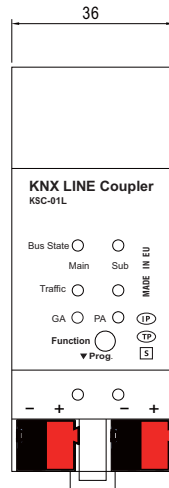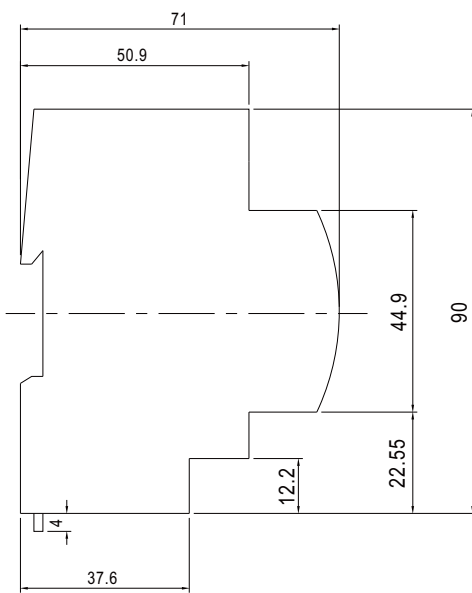

■ Order Information

Type	Function	Note
KSC-01L	KNX classic TP Line coupler/Repeater	In Stock
KSC-02L	KNX Secure Line coupler/Repeater	By request

SPECIFICATION

MODEL		KSC series
SUB LINE	**INTERFACE**	KNX Protocol
	INPUT VOLTAGE	21~30VDC(KNX TP bus)
	LED INDICATOR	Various color see mechnical specification part
MAIN LINE	**INTERFACE**	KNX Protocol
	INPUT VOLTAGE	21~30VDC(KNX TP bus)
	CURRENT CONSUMPTION	<10mA(KNX mainTP line)
ENVIRONMENT	**WORKING TEMP.**	-5 ~ +45℃
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20 ~ +60℃, 5 ~ 93% RH non-condensing
	POLLUTION DEGREE	2 according to IEC60664-1
	PROTECTION TYPE	IP20 according to IEC60529
SAFETY & EMC	**SAFETY STANDARDS**	Compliance to EN60669
	KNX STANDARDS	ISO/IEC 14543-3, EN50090, EN13321-1
	EMC EMISSION	Compliance to EN50491-5, EN61000-6
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11
OTHERS	**MTBF**	100K hrs min.
	DIMENSION	36*90*71mm (W*H*D)
	DIN RAIL MOUNTING	35 mm rail; 2 units wide
	PACKING	0.066Kg; 5pcs/0.45Kg

■ Mechanical Specification

Case No.　　　Unit:mm

KNX LINE Coupler
KSC-01L

A1 — Bus State
A3 — Main Sub — A4
A5 — Traffic
A7 — GA PA (IP) — B1
Function (TP) — B2
▼ Prog. [S]
B3 — − + − + — B4

A1: **Bus state KNX TP (Main line)**
　green:　　　　Main line OK
　red:　　　　　Manual Function active
A2: **Bus state KNX TP (Subline)**
　green:　　　　Subline OK
A3: **Telegram traffic KNX TP (Main line)**
　green, blink.:　Telegram traffic extent
　red, blink.:　　Transmission error
A4: **Telegram traffic KNX TP (Subline)**
　green, blink.:　Telegram traffic extent
　red, blink.:　　Transmission error
A5: **Group Address routing**
　green:　　　　Filter active
　orange:　　　Route all
　red:　　　　　Block all
　<off>:　　　　Main line / subline different
A6: **Physical Address routing**
　green:　　　　Filter active
　orange:　　　Route all
　red:　　　　　Block all
　<off>:　　　　Main line / subline different
A7: **Programming**
　red:　　　　　Program Mode

B1: **Function button**
B2: **Program button**
B3: **KNX TP connector Main line**
B4: **KNX TP connector Subline**

71 / 50.9 / 44.9 / 90 / 22.55 / 12.2 / 4 / 37.6 / 36 / 35

ADMISSIBLE DIN-RAIL:TS35/7.5 OR TS35/15

■ Configuration and Commissioning

The application program(data base) for ETS can be downloaded via
http://www.meanwell.com/productCatalog.aspx

■ Installation Manual

Please refer to : http://www.meanwell.com/manual.html