



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

TYPE	FUNCTION
KSC-01L	KNX classic TP Line coupler/repeater
KSC-02L	KNX Secure Line couple/repeater

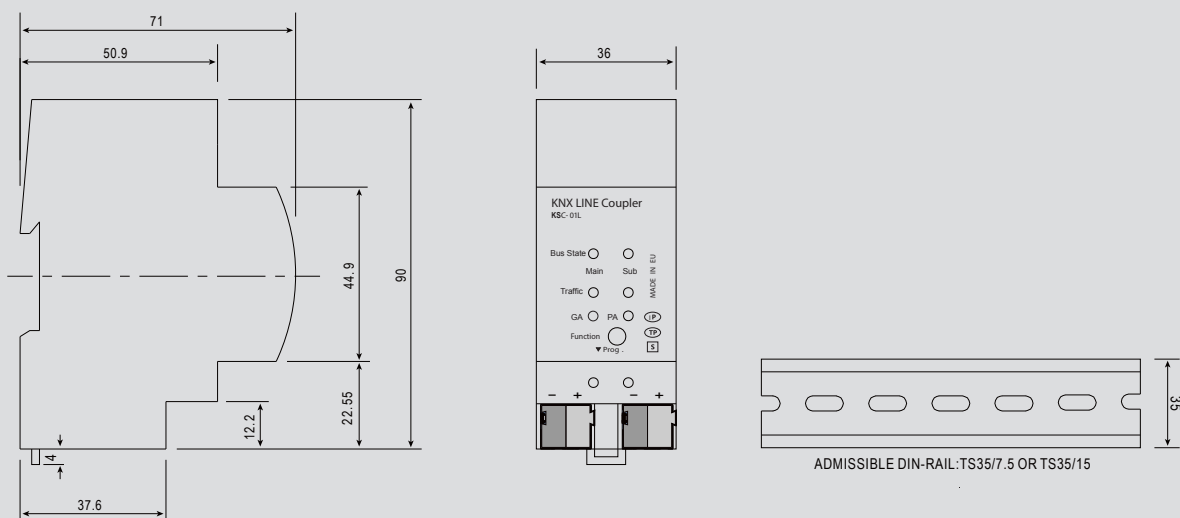


Specification

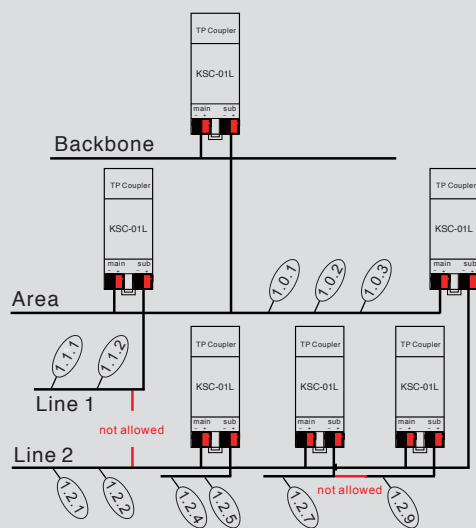
	MODEL No.	KSC
SUB LINE	Interface	KNX Protocol
	Input Voltage	21~30VDC (KNX TP bus)
	PLED Indicator	Various colour see mechanical specification part
MAIN LINE	Interface	KNX Protocol
	Input Voltage	21~30VDC(KNX TP bus)
	Current Consumption	<10mA (KNX main TP line)
ENVIRONMENT	Working Temp. (Typ.)	-5 ~ +45°C
	Working Humidity	20 ~ 90% RH non-condensing
	Storage Temp., Humidity	-20 ~ +60°C, 5 ~ 93% RH non-condensing
	Pollution Degree	2 according to IEC60664-1
	Protection Type	IP20 according to IEC60529
SAFETY & EMC	Safety Standards	EAC TP TC 004 approved; Compliance to EN60669
	KNX Standards	ISO/IEC 14543-3, EN50090, EN13321-1
	EMC Emission	Compliance to EN50491-5, EN61000-6, EAC TP TC 020
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,11, EAC TP TC 020
OTHERS	MTBF	100K hrs min.
	Dinrail Mounting	35 mm rail; 2 units wide
	Packing	0.066Kg; 5pcs/0.45Kg

Mechanical Diagram

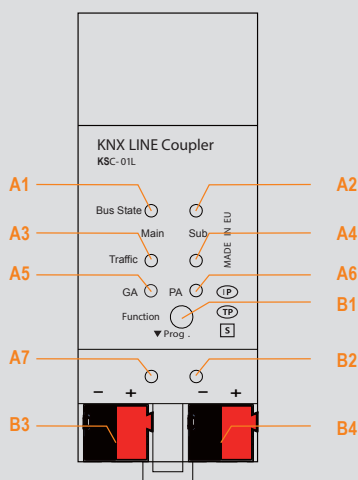
Case unit: mm



Network Diagram



Functions



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