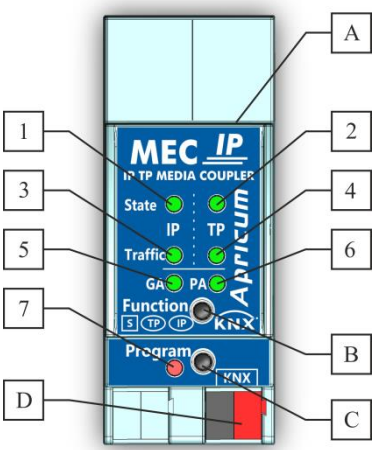

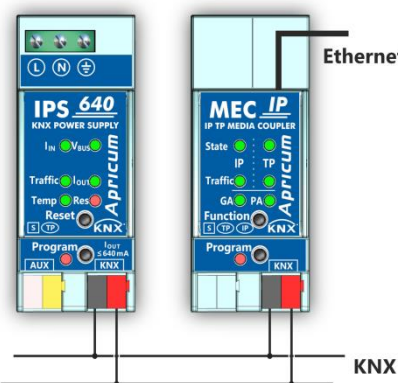


Product description and application	Connections and front side description																								
<p>The IP TP media coupler MECip works as KNX IP line/backbone coupler without need for an external power supply. The ability to address all bus devices in the KNX bus system makes network operations less time-consuming. Errors or a faulty communication on a line are indicated by LEDs at the device front panel.</p> <p>The MECip connects the two communication media Ethernet/KNX IP and KNX TP to feature (for all bus devices connected):</p> <ul style="list-style-type: none"> • Commissioning • Addressing • Setting parameters • Visualization • Protocol • Diagnostic operations <p>The MECip being a KNXnet/IP routing & tunneling device it also offers the function to temporarily deactivate the message filter by a single button press. So, to ease commissioning temporary access to other lines is possible without download from the ETS.</p> <p>For more information on functionality, buttons function and device status please see the document "Technical and Application Description" available at www.apricum.com/mecip.</p>	 <table border="1" data-bbox="1197 201 1516 873"> <thead> <tr> <th>LED</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Bus State IP (Main line) green: Main line OK red: ManualFunction on off: No IP connection</td> </tr> <tr> <td>2</td> <td>Bus State KNX TP (Subline) green: Subline OK</td> </tr> <tr> <td>3</td> <td>Telegram Traffic IP green: Traffic extent red (blink.): Transmission error</td> </tr> <tr> <td>4</td> <td>Telegram Traffic KNX TP green: Traffic extent red (blink.): Transmission error</td> </tr> <tr> <td>5</td> <td>Group Address Routing green: Filter table active orange: Route all red: Block all off: IP and TP differ</td> </tr> <tr> <td>6</td> <td>Physical Address Routing green: Filtering active yellow: Route all orange: Block all off: IP and TP differ</td> </tr> <tr> <td>7</td> <td>Programming red: Program mode red (blink.): No IP connection</td> </tr> </tbody> </table> <table border="1" data-bbox="805 772 1189 873"> <tbody> <tr> <td>A</td> <td>Ethernet connector</td> <td>C</td> <td>Program button</td> </tr> <tr> <td>B</td> <td>Function button</td> <td>D</td> <td>KNX TP connector</td> </tr> </tbody> </table>	LED	Function	1	Bus State IP (Main line) green: Main line OK red: ManualFunction on off: No IP connection	2	Bus State KNX TP (Subline) green: Subline OK	3	Telegram Traffic IP green: Traffic extent red (blink.): Transmission error	4	Telegram Traffic KNX TP green: Traffic extent red (blink.): Transmission error	5	Group Address Routing green: Filter table active orange: Route all red: Block all off: IP and TP differ	6	Physical Address Routing green: Filtering active yellow: Route all orange: Block all off: IP and TP differ	7	Programming red: Program mode red (blink.): No IP connection	A	Ethernet connector	C	Program button	B	Function button	D	KNX TP connector
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<p>Power input</p> <ul style="list-style-type: none"> • Power supply: KNX TP line, 21...30 V DC (SELV) • Current consumption (max.): < 40 mA <p>The MECip is supplied by the KNX bus and does not require any additional external AC or DC power supply.</p> <p>Warning: Device may <u>not</u> be connected to 230V</p> <p>Housing</p> <ul style="list-style-type: none"> • Dimensions (HxWxD): 90 x 36 x 71 mm • Mounting (IEC60715): 35 mm top-hat rail (TH35) • Width in space units: 2 modules at 18 mm • KNX bus connection: KNX connector (red/black) • Ethernet connection: Ethernet connector (RJ45) • Weight: 70 g 	<p>Environmental conditions</p> <ul style="list-style-type: none"> • Working temperature: -5...45 °C • Storage temperature: -20...60 °C • Ambient humidity (non-condensing): 5...93 % <p>Electrical safety</p> <ul style="list-style-type: none"> • Pollution degree (IEC60664-1): 2 • Protection type (IEC60529): IP20 • Protection class (IEC61140): III • Overvoltage category (IEC60664-1): II • Approbation (ISO/IEC14543-3): KNX-certified • Compliance with EN50428, EN50581, EN61000-6, EN62479 <p>CE Marking</p> <p>According to low voltage and EMC guidelines (residential and commercial buildings)</p>																								
Mounting, commissioning and safety notes	Installation example and maintenance																								
 <p>The MECip routing & tunneling device must be mounted and commissioned by an authorized person</p> <ul style="list-style-type: none"> • For planning and construction of electric installations the appropriate specifications, guidelines and regulations in force of the respective country have to be complied • For mounting and dismounting only use an appropriate rail equipment according to IEC60715 • Connect the KNX TP line as for common KNX bus connections with a KNX bus cable, to be plugged into the KNX TP connector • Take care of the electric insulations when connecting • Installation only in dry locations within distribution boards or enclosed housings with DIN mounting rail • Use the Engineering Tool Software ETS for commissioning • The housing must not be opened • Accessibility of the device for operation and visual inspection must be provided 	 <ul style="list-style-type: none"> • Protect the device from moisture, dirt and damage • The device needs no maintenance • If necessary, the device can be cleaned with a dry cloth • In the case of damage no repairs may be carried out by unauthorized personnel <p>Further information available at www.apricum.com</p>																								