How to specify, install and use the PIXIE MHI RS485 Bridge and Smart Zone Controllers

PIXIE APPS

Both the PIXIE RS485 bridge and the Smart Zone Controller operate with both the SAL PIXIE and PIXIE PLUS Apps. These are purchased seperately.

Users wanting remote access control and voice operation should use PIXIE PLUS and also install a PIXIE Gateway on site (SGW3BTAM).

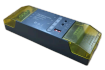
Heads Up: Only 1 MHI wall controller can be connected to the indoor unit when using this PIXIE / Intesys deployment. Do not add additional MHI wall controllers or zone control panels.

Bluetooth: PIXIE Bluetooth Mesh means the RS485 bridge and Zone Controller do NOT need to be connected to each other. App control is instant - no Wi-Fi needed. Scheduling, scenes and smart home integration work immediately.

Caution: Do NOT connect the Zone Controller to the X + Y terminals on the MHI indoor unit. It uses a separate 24V AC power supply only.

PIXIE Products

● Bluetooth® + RS485



The PIXIE RS485 bridge requires an active and neutral supply. Connect A+B on the RS485 bridge to A+B on the Intesys module. Connect the Intesys X+Y output to the X+Y terminals on the MHI indoor unit (connections are not polarity sensitive -- figure 8 cable is suitable). Provides on/off, mode select, temperature setpoint and fan speed control.

IMPORTANT: Both the PIXIE RS485 bridge and the Intesys module are required and are included together in the kit. The standard MHI wall panel connects normally via its own terminals.

The PIXIE Smart Zone Controller has 8 x RJ11 damper inputs suitable for 24V AC dampers only. It requires only a 24V AC power supply for operation.

It has a SPILL ZONE dipswitch, depending on the system design, and on-board testing buttons for each damper for installer testing prior to app operation.

What to tell the AC Contractor?

Ideally, electrical contractors installing PIXIE will co-ordinate with the AC Contractor to minimise on-site issues.

What they should do.

1) Install, test and commission the MHI AC system as they normally would, noting the DO NOT's in the panel adjacent to this text → → →
2) Install the PIXIE RS485 bridge to the Intesys module and connect the Intesys module to the X+Y terminals on the MHI indoor unit, in parallel with the existing MHI wall panel.
3) Provide a 24V AC power supply for the PIXIE Smart Zone Controller when using PIXIE Zone Controller.
4) Connect the 24V AC dampers into the PIXIE Smart Zone Controller RJ11 inputs when using PIXIE Zone Controller.

What they should not do.

1) Do not install more than a single MHI on-wall control panel (for ducted systems; for VRF, one panel per indoor unit).
2) Zone control for ducted systems is via PIXIE -- do not add the MHI zone control module to the indoor unit.
3) **Only use the standard MHI remote wall panel, NOT the MHI Zone Control wall panel, when using PIXIE Smart Zone Controller.**
4) Do not use 240V dampers. Only use 24V AC dampers for zone control.
5) Do not connect the RS485 bridge and Smart Zone Controller to each other.

Important Information: Compatible with MHI Ducted Systems Only

Both the PIXIE RS485 bridge and the Intesys module are required for operation -- both are included in the kit.
The Smart Zone Controller only operates with 24V AC dampers.
Available through PIXIE electrical wholesalers. Contact your SAL National state representative for details.

PIXIE RS485 + INTESYS KIT
PC2185/R/BTAM

PIXIE SMART ZONE CONTROLLER
PZC248N/R/BTAM