Can PIXIE switch turn ON/OFF a contactor (relay) to control super large loads (e.g. 3000 W) like house heaters, swimming pools, fans?

Switches · https://pixiepartners.com.au/support-docs/can-pixie-switch-turn-on-off-a-contactor-relay-to-control-super-large-loads-e-g-3000-w-like-house-heaters-swimming-pools-fans/

Yes, and depending on which PIXIE device you are using you will require some different setups.

The preferred method of controlling Contactors is via the PIXIE Dual Relay Controller - PC206DR-R-BTAM.
This will control up to 2 separate Contactors - 1 on each relay.

On wall control is then provided by installing 1 or 2 of the PIXIE SMF/BTAS and pairing each of these to the corresponding relay on the Dual Relay Controller.



This Dual Relay Control device has no minimum load requirement - like the PIXIE smart switches do - and hence there is no need to use capacitors to assist the relays to close.

This is a PIXIE Master device with full scheduling capabilities too.

Using PIXIE Smart Switches for Contactor Control

Applicable to the following PIXIE Smart Switches: SWL350BT, STS350BT, SWL600BTAM, STS600BTAM

The circuit will require an additional load in the same circuit with the contractor, to keep the PIXIE switch functioning in a normal manner with sufficient load.

PIXIE Smart switches are shipped with a CAPACITOR to act as the load and the electrician needs to wire this into the circuit across the NEUTRAL and LOAD.

Depending on the contactor 2 or more may be needed to keep the contactor closed.