



Guide for using multiple UBEC controllers to control one valve

UBEC1, UBEC2, & UBEC3 with E1F & E2F actuated valves

Two UBEC1, UBEC2, or UBEC3 controllers can be used to operate one E1F or E2F actuated valve. One controller will be the primary and the other controller will need to be programmed as a secondary. We have part numbers set up for primary controllers that include harness length options for connection to the E1F & E2F actuators. We have part numbers set up for UBEC1, UBEC2, or UBEC3 controllers that include secondary harness length options for CAN connection to the primary controller. The primary controller will override the secondary controller.

UBEC1 with E3F & E5F actuated valves

Two UBEC1 controllers can be used to operate one E3F or E5F actuated valve. The E3F or E5F actuator controller will be the primary and the UBEC1's will need to be programmed as a secondary. We have part numbers set up for a UBEC1 that includes optional lengths for a secondary CAN harness that will reach the E3F or E5F actuator. The same part number can be used to order a second UBEC1 controller with the CAN harness length option needed to reach from it to the E3F or E5F actuator. A CAN connector kit (our p/n 37221000) will be needed to connect the CAN wires from the UBEC1 controllers and the E3F or E5F actuator. This kit should be positioned within 3 feet of the E3F or E5F actuator. Programming code 34 will need to be used to turn off the terminating resistor in the E3F or E5F actuator. In this system the UBEC1 controllers will be secondary controllers and neither will be able to override the other.

UBEC2 & UBEC3 with E4F & E6F actuated valves

Two UBEC2 or UBEC3 controllers can be used to control one E4F or E6F actuated valve. The E4F or E6F actuator controller will be the primary and the UBEC2's or UBEC3's will need to be programmed as a secondary. The pressure sensor and flow sensor wire harnesses will be connected to the E4F or E6F actuator. We have part numbers set up for UBEC2 or UBEC3 controllers that includes optional lengths for a secondary CAN harness that will reach the E4F or E6F actuator. The same part number can be used to order a second UBEC2 or UBEC3 controller with the CAN harness length option needed to reach from it to the E4F or E6F actuator. A CAN connector kit (our p/n 37221000) will be needed to connect the CAN wires from the UBEC1 controllers and the E4F or E6F actuator. This kit should be positioned within 3 feet of the E4F or E6F actuator. Programming code 34 will need to be used to turn off the terminating resistor in the E4F or E6F actuator controller. In this system the UBEC1 controllers will be secondary controllers and neither will be able to override the other.

98311090 (Rev-D)

UICS2

Two UICS2 controllers can be used to control one E1F & E2F actuated valve. One controller would be the primary and the other controller would need to be programmed as a secondary. We have part numbers set up for primary controllers that include harness length options for connection to the E1F & E2F actuators. We have part numbers set up for UICS2 controllers that include secondary harness length options for CAN connection to the primary controller. The primary controller would override all secondary controllers.

The UICS2 CAF controller cannot be used to control an E4F or E6F actuated valve.

Instructions for Installation, Wiring, and Programming for the UBEC1, UBEC2, UBEC3, & UICS2 can be found in the Unibody Manual 98311000. The manual can be found on our website www.elkhartbrass.com

UBEC 1C

Two UBEC 1C controllers can be used to control one E3F or E5F actuated valve. The E3F or E5F actuator controller will be the primary and the UBEC 1C's will be secondary's. Our CAN connector kit p/n 37221000 would be required to interconnect the UBEC 1Cs and the E3F or E5F actuated valve.

Instructions for Installation, Wiring, and Programming for the UBEC1C & UBEC1S can be found in the instruction manual 98329000. The manual can be found on our website www.elkhartbrass.com

The UBEC1C can also be used as a secondary controller connected to a primary UBEC1, UBEC2, or UBEC3 controller. The UBEC1C would be wired to the CAN terminals on the UBEC1, UBEC2, or UBEC3 primary controller (wire supplied by builder) and would operate all valve functions and display valve position but when used with a UBEC2 or UBEC3 controller will not display pressure or flow readout.

UBEC 1S

Multiple UBEC1S controllers can be used with the E3F & E5F actuators. The builder would be responsible for providing sealed connections of the leads for like valve functions from each controller into a single lead going to the E3F or E5F actuators. In this set up the UBEC1S controllers would all be secondary controllers and neither would be able to override the other.

Instructions for Installation, Wiring, and Programming for the UBEC1C & UBEC1S can be found in the instruction manual 98329000. The manual can be found on our website www.elkhartbrass.com

The UBEC1S can not be used as a secondary with any other type of UBEC controller.