



# Franklin Electric

## Submersible Product Overview

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### Applications

- **QD & CRC** – These control boxes are designed for use with Franklin 3-wire single-phase submersible motors through 1 Hp.
- **STANDARD & DELUXE** - These control boxes are designed for use with Franklin 3-wire singlephase submersible motors from 1 through 15 Hp. Recommended for water systems that use standard/ heavy-duty pressure switches, level switches, or other pilot devices. Deluxe boxes (only) contain magnetic line contactors carefully matched to the motor rating, eliminating the need for external line contactors.

### Basic Features – Standard & Deluxe Boxes

- Heavy Duty Box-Type Terminals Accept up to AWG #2 Wire
- External Access to Overload Resets
- Multiple-size Knockouts
- User-friendly Connection Diagrams
- Easy Access to Grounding Lugs

### Basic Features – All Boxes

- Suitable for Outdoor Mounting
- Capacitor Start / Capacitor Run Design (Except QD Boxes)
- UL 778 Recognized and CSA Certified for 60 Hz Models

BOX TYPE	HZ	HP RANGE	KW RANGE	ENCLOSURE	TERMINAL BLOCK		MAG CONTACTOR	AGENCY APPROVALS
					TERMINALS	MAX WIRE		
Quick Disconnect (QD)	60	1/3 - 1	.25 - .75	NEMA 3R, IP23	5	AWG 10	No	UL Recognized, CSA Certified
Quick Disconnect (QD)	50	1/3 - 1	.25 - .75	NEMA 3R, IP23	5	AWG 10	No	UL Recognized, CSA Certified

Capacitor Run (CRC)	60	1/2 - 1	.37 - .75	NEMA 3R, IP23	5	AWG 10	No	UL Recognized, CSA Certified
Standard (S)	60	1 - 10	.75 - 7.5	NEMA 3R, IP23	6	AWG 2	No	UL Recognized, CSA Certified
Standard (S)	50	1 - 5	.75 - 3.7	NEMA 3R, IP23	6	AWG 2	No	UL Recognized, CSA Certified
Deluxe (D)	60	2 - 15	1.5 - 11	NEMA 3R, IP23	6	AWG 2	Yes	UL Recognized, CSA Certified
Extra Large Deluxe (D-XL)	60	15	11	NEMA 3R, IP23	5	AWG 00	Yes	UL Recognized

**Enclosure – QD & CRC Boxes**

- **Knockouts Bottom:** Two 7/8” knockouts and one 1 1/8” knockout. **Side:** One 7/8” knockout and one 1 1/8” knockout on each side.
- **Terminal Block:** 5 terminals provided for wiring up to AWG #10 wire.

**Quick-Disconnect (QD) Control Boxes**

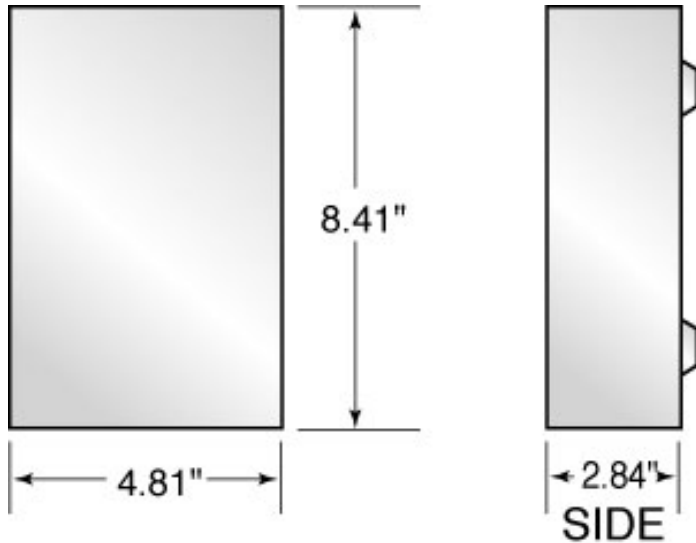


HP	SHIPPING WEIGHT		KG	MOTOR CARTON SIZE (in inches)	ENC SIZE
	KW	LBS			
1/3	0.25	4	1.8	5.5 x 3.25 x 9	QD
1/2	0.37	4	1.8	5.5 x 3.25 x 9	QD
3/4	0.55	4	1.8	5.5 x 3.25 x 9	QD
1	0.75	4	1.8	5.5 x 3.25 x 9	QD

**Capacitor Run Control (CRC) Boxes**

HP	SHIPPING WEIGHT		KG	MOTOR CARTON SIZE (in inches)	ENC SIZE
	KW	LBS			
1/2	0.37	5	2.3	5.5 x 3.25 x 9	QD
3/4	0.55	5	2.3	5.5 x 3.25 x 9	QD
1	0.75	5	2.3	5.5 x 3.25 x 9	QD

**QD Box Dimensions**



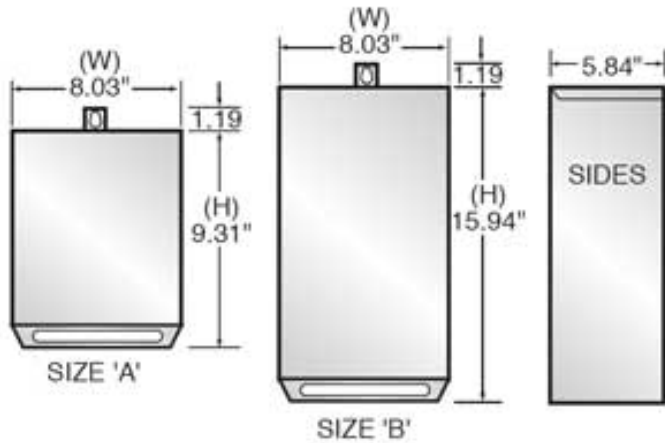


### Enclosure – Standard & Deluxe Boxes

- **Knockouts Bottom:** Two 1.32" diameter holes for 1-inch conduit connection.
- **Terminal Block:** 6 terminals provided for wiring up to AWG 2 wire.



### Standard & Deluxe Diminsions



### Standard Control Boxes

HP	SHIPPING WEIGHT		KG	MOTOR CARTON SIZE (in inches)	ENC SIZE
	KW	LBS			
1.5	1.1	7	3.2	8.125 x 6.25 x 11.25	A
2	1.5	7	3.2	8.125 x 6.25 x 11.25	A
3	2.2	7	3.2	8.125 x 6.25 x 11.25	A
5 (60 Hz)	3.7	8	3.6	8.125 x 6.25 x 11.25	A
5 (50 Hz)	3.7	8	3.6	8.125 x 6.25 x 18	B
7.5	5.5	12	5.5	8.125 x 6.25 x 18	B
10	7.5	14	6.4	8.125 x 6.25 x 18	B

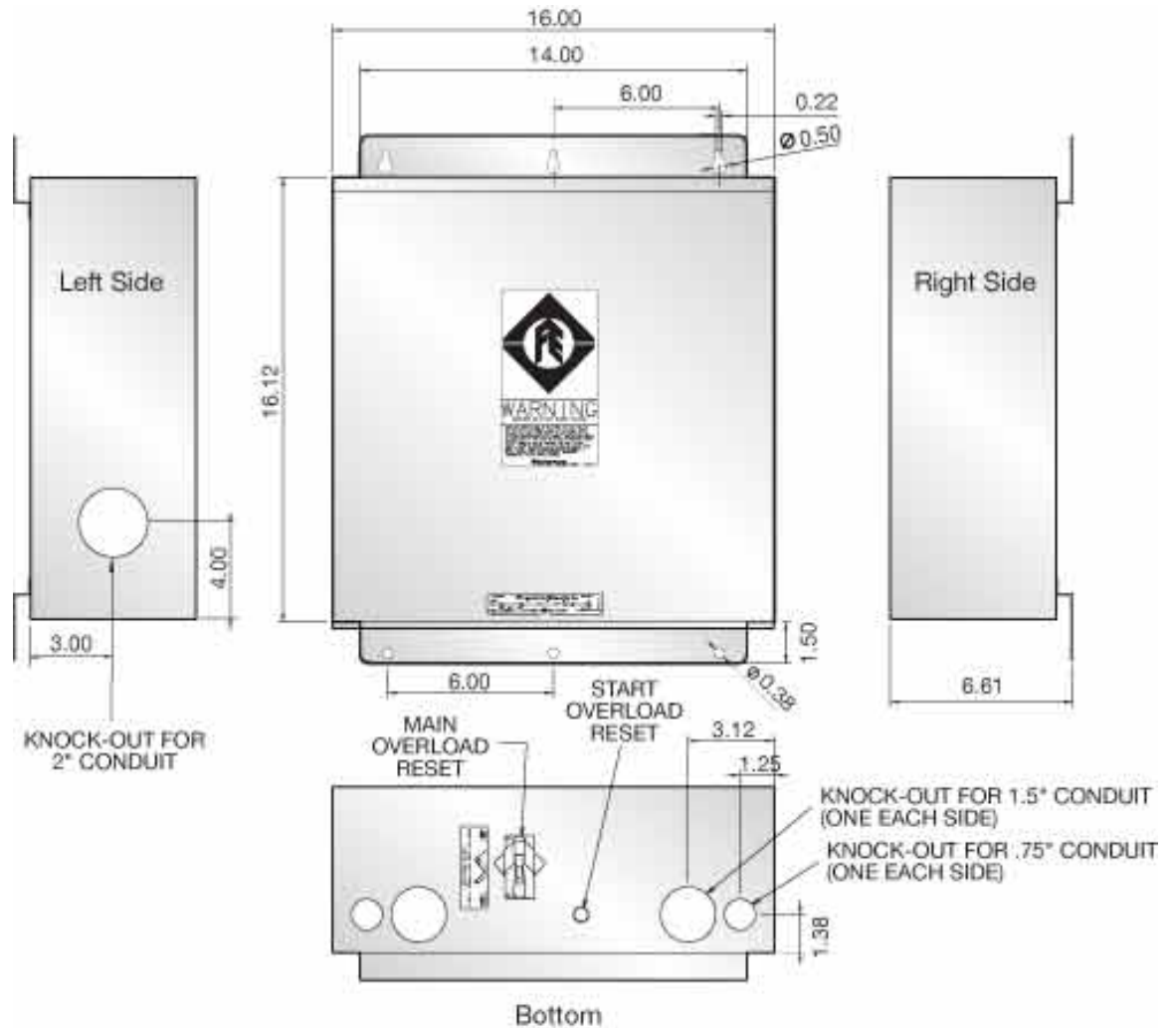
### Deluxe Control Boxes

HP	SHIPPING WEIGHT		KG	MOTOR CARTON SIZE (in inches)	ENC SIZE
	KW	LBS			
2	1.5	7.0	3.2	8.125 x 6.25 x 11.25	A
3	2.2	7.3	3.3	8.125 x 6.25 x 11.25	A
5	3.7	11.2	5.1	8.125 x 6.25 x 18	B
7.5	5.5	13.1	6.0	8.125 x 6.25 x 18	B
10	7.5	14.7	6.7	8.125 x 6.25 x 18	B
15	11	16.5	7.5	8.125 x 6.25 x 18	B
15 (XL)	11	28.0	12.7	16 x 7.125 x 19	C

### Enclosure – Deluxe-XL Boxes



- **Knockouts Bottom:** Two .75" knockouts and two 1.5" knockouts Side: One 2" knockout.
- **Terminal Block:** 2 terminals provided for incoming power and 3 terminals provided for drop cable for conductors from AWG 14 to 00.
- **Control Switch:** Terminal block allows conductors from AWG 20 to 6.



Model	HP (KW)	Phase	Volts	Hz	Type	Stock Status
280 102 49	1/3 Hp .25 kW kW	1P	115	60	Quick Disconnect Control Box	Yes
280 353 01	1/3 Hp .25 kW kW	1P	220	50	Quick Disconnect Control Box	No
280 103 49	1/3 Hp .25 kW kW	1P	230	60	Quick Disconnect Control Box	Yes
280 104 49	1/2 Hp .37 kW kW	1P	115	60	Quick Disconnect Control Box	Yes
280 355 01	1/2 Hp .37 kW kW	1P	220	50	Quick Disconnect Control Box	Yes
280 105 49	1/2 Hp .37 kW kW	1P	230	60	Quick Disconnect Control Box	Yes
282 405 50	1/2 Hp .37 kW kW	1P	230	60	Capacitor Run Control Box	Yes
280 357 01	3/4 Hp .55 kW kW	1P	220	50	Quick Disconnect Control Box	Yes
280 107 49	3/4 Hp .55 kW kW	1P	230	60	Quick Disconnect Control Box	Yes
282 407 50	3/4 Hp .55 kW kW	1P	230	60	Capacitor Run Control Box	Yes
280 358 01	1 Hp .75 kW kW	1P	220	50	Quick Disconnect Control Box	Yes
280 108 49	1 Hp .75 kW kW	1P	230	60	Quick Disconnect Control Box	Yes
282 408 50	1 Hp .75 kW kW	1P	230	60	Capacitor Run Control Box	Yes
282 350 81	1.5 Hp 1.1 kW kW	1P	220	50	Standard Control Box	Yes
282 300 81	1.5 Hp 1.1 kW kW	1P	230	60	Standard Control Box	Yes
282 351 81	2 Hp 1.5 kW kW	1P	220	50	Standard Control Box	Yes
282 301 81	2 Hp 1.5 kW kW	1P	230	60	Standard Control Box	Yes
282 301 83	2 Hp 1.5 kW kW	1P	230	60	Deluxe Control Box	Yes
282 352 81	3 Hp 2.2 kW kW	1P	220	50	Standard Control Box	Yes
282 302 81	3 Hp 2.2 kW kW	1P	230	60	Standard Control Box	Yes
282 302 83	3 Hp 2.2 kW kW	1P	230	60	Deluxe Control Box	Yes
282 253 90	5 Hp 3.7 kW kW	1P	220	50	Standard Control Box	Yes
282 113 81	5 Hp 3.7 kW kW	1P	230	60	Standard Control Box	Yes
282 113 93	5 Hp 3.7 kW kW	1P	230	60	Deluxe Control Box	Yes

282 201 92	7.5 Hp 5.5 kW kW	1P	230	60	Standard Control Box	Yes
282 201 93	7.5 Hp 5.5 kW kW	1P	230	60	Deluxe Control Box	Yes
282 202 92	10 Hp 7.5 kW kW	1P	230	60	Standard Control Box	Yes
282 202 93	10 Hp 7.5 kW kW	1P	230	60	Deluxe Control Box	Yes
282 203 93	15 Hp 11 kW kW	1P	230	60	Deluxe Control Box	Yes
282 203 96	15 Hp 11 kW kW	1P	230	60	Extra-Large Deluxe Control Box	No

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