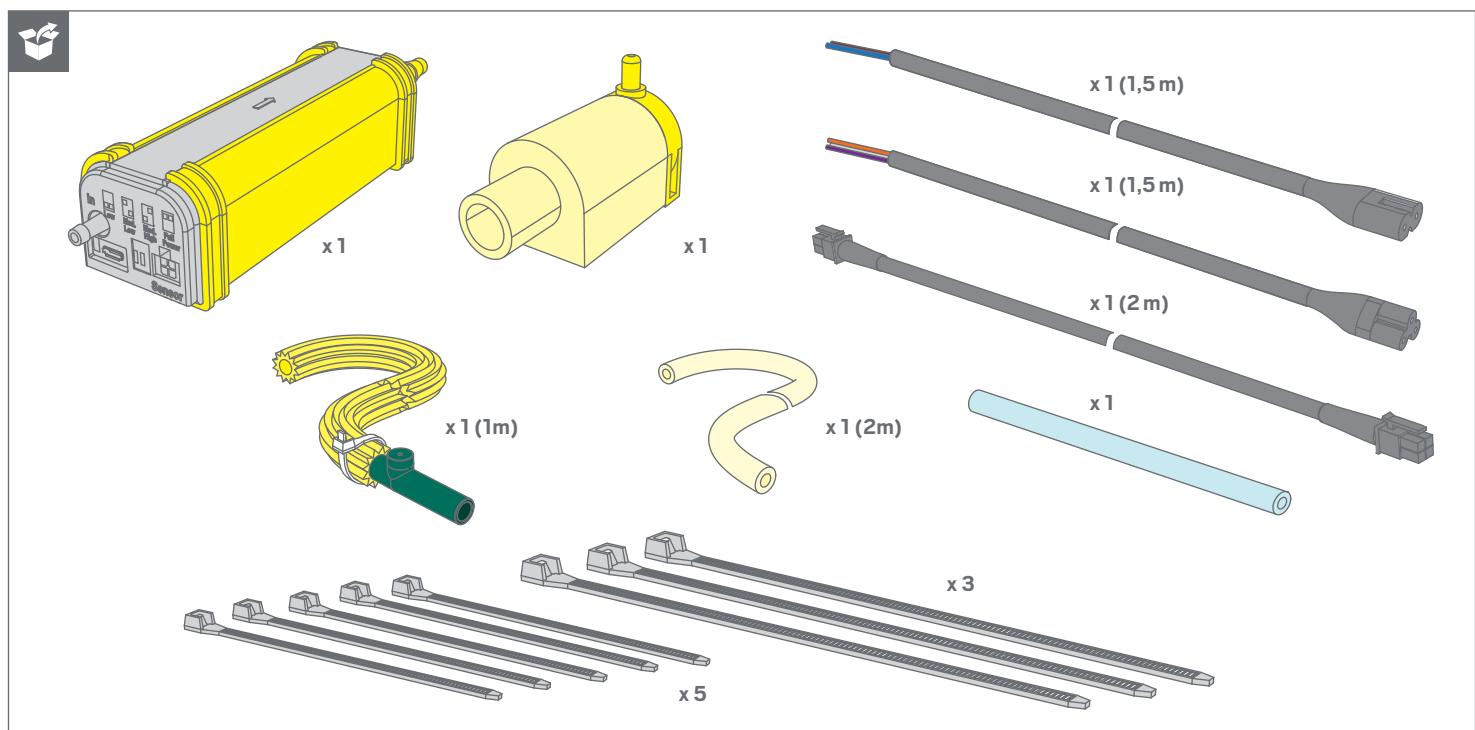
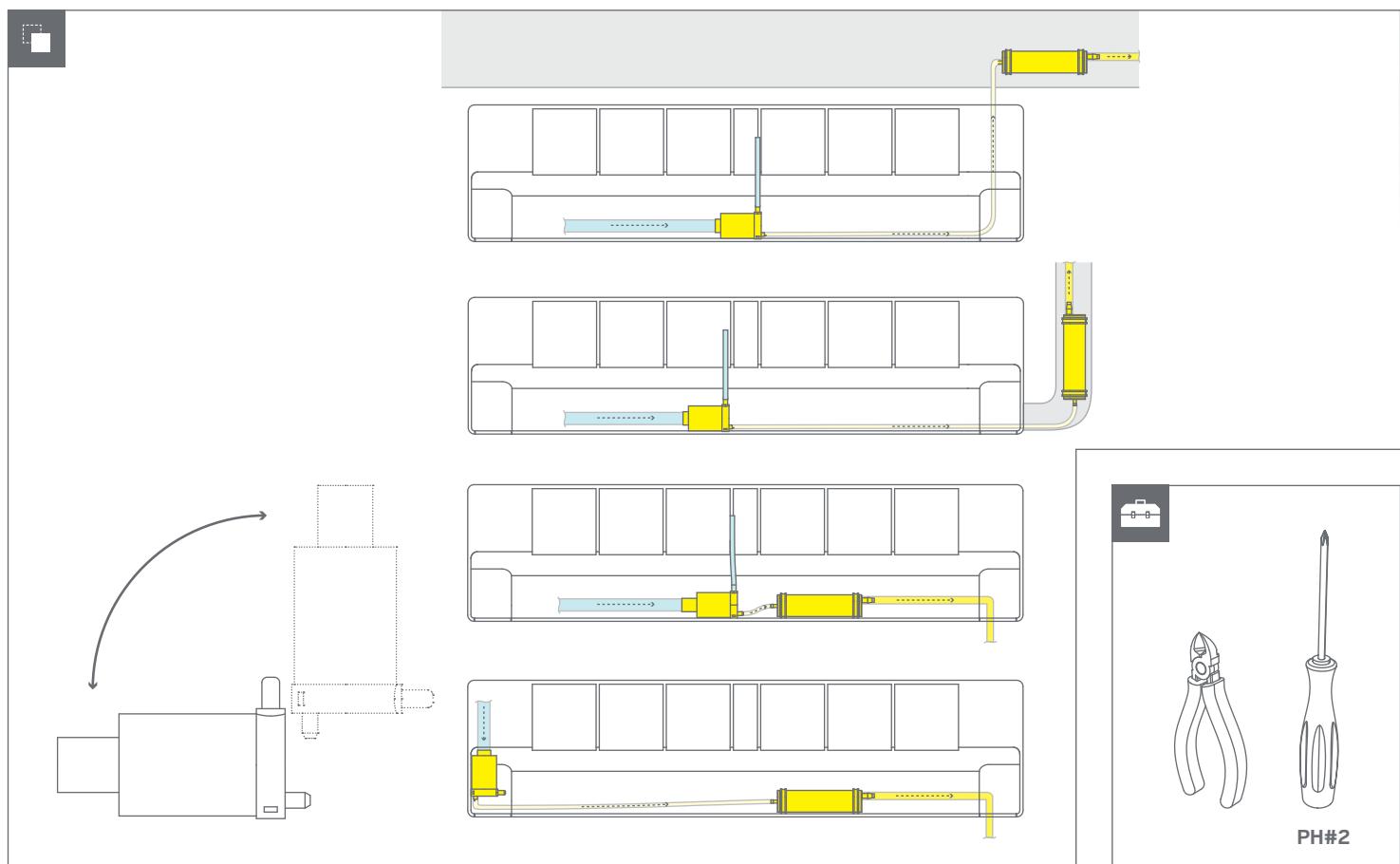


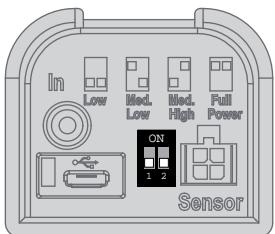
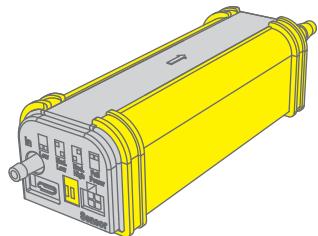
Universal Condensate Pump

# Combi



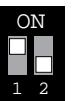
View installation video at [www.condensate-pumps.com](http://www.condensate-pumps.com)

1



Low

up to 18K Btu/h  
(5.3kW)



Meo

up to 42K Btu/h  
(12kW)



## Medium

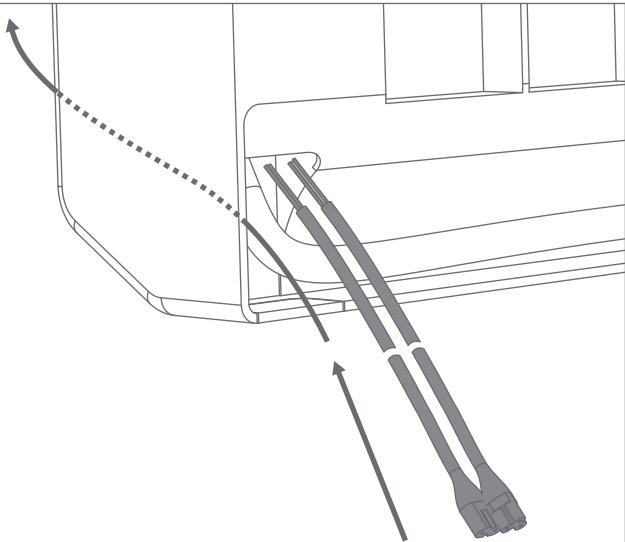
up to 72K Btu/h  
(21.1kW)



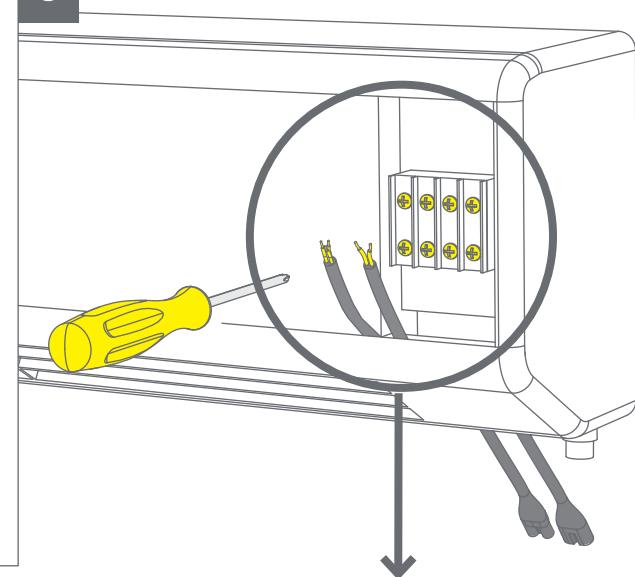
Full Po

up to 120K Btu/h  
(35kW)

2

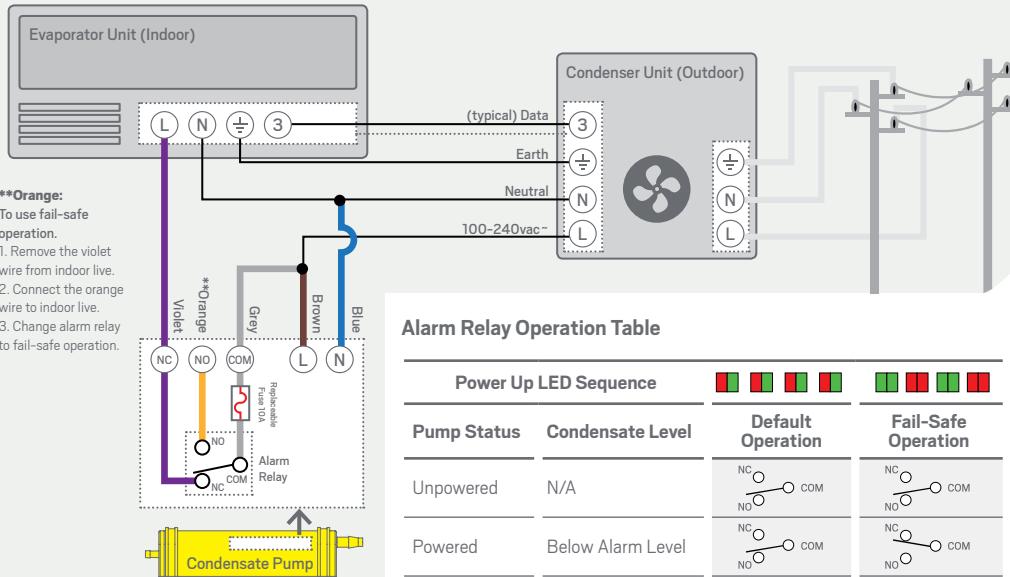


3



**When Indoor Evaporator Unit is powered from the Outdoor Condenser Unit.**

Below examples are for reference only.



### To change Alarm Relay Operation:

1. Unplug pump
  2. Move DIP switch positions to  

  3. Plug pump in
  4. Wait for one green LED blink
  5. Move DIP switch positions to  

  6. Wait for one red LED blink
  7. Reset DIP switch positions to  

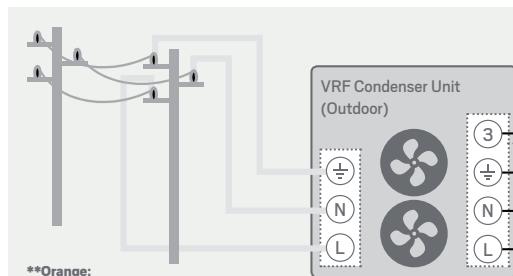
  8. Wait for one green LED blink  

  9. Unplug pump
  10. Set the DIP switches back to the desired capacity configuration. (Low, Medium-Low, Medium-High, High)
  11. Plug Pump in and check that power up LED sequence matches the desired class relay operation.

**To reset default alarm relay operation repeat**

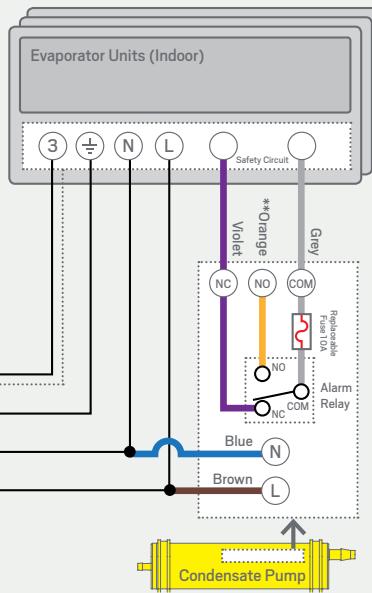
## Alarm Relay Operation Table

Power Up LED Sequence			
Pump Status	Condensate Level	Default Operation	Fail-Safe Operation
Unpowered	N/A		
Powered	Below Alarm Level		
Powered	Alarm-Activated		

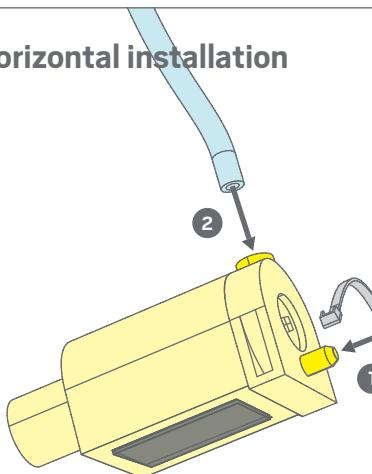


**\*\*Orange:**  
To use fail-safe operation.

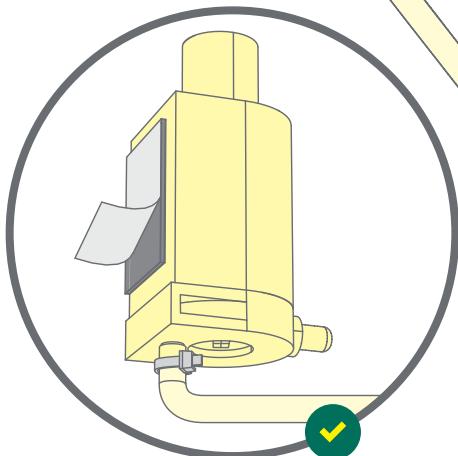
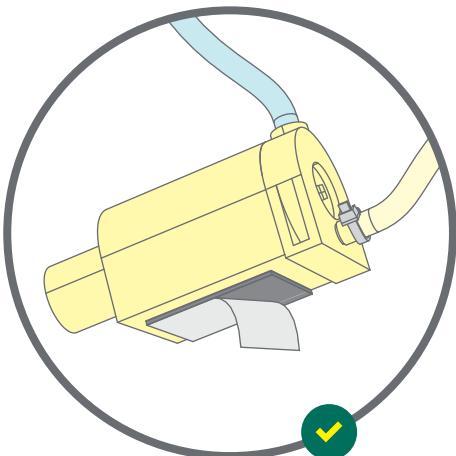
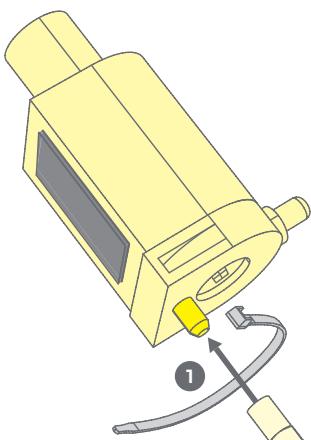
1. Remove the violet wire from indoor live.
2. Connect the orange wire to indoor live.
3. Change alarm relay to fail-safe operation.



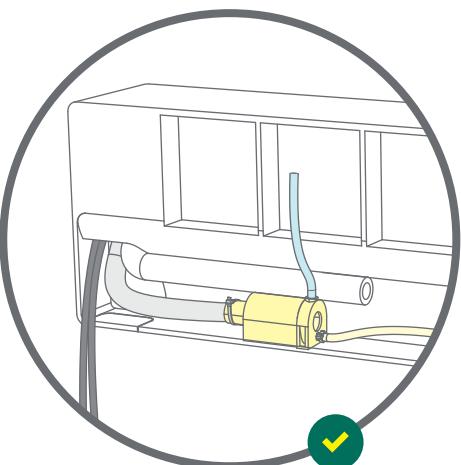
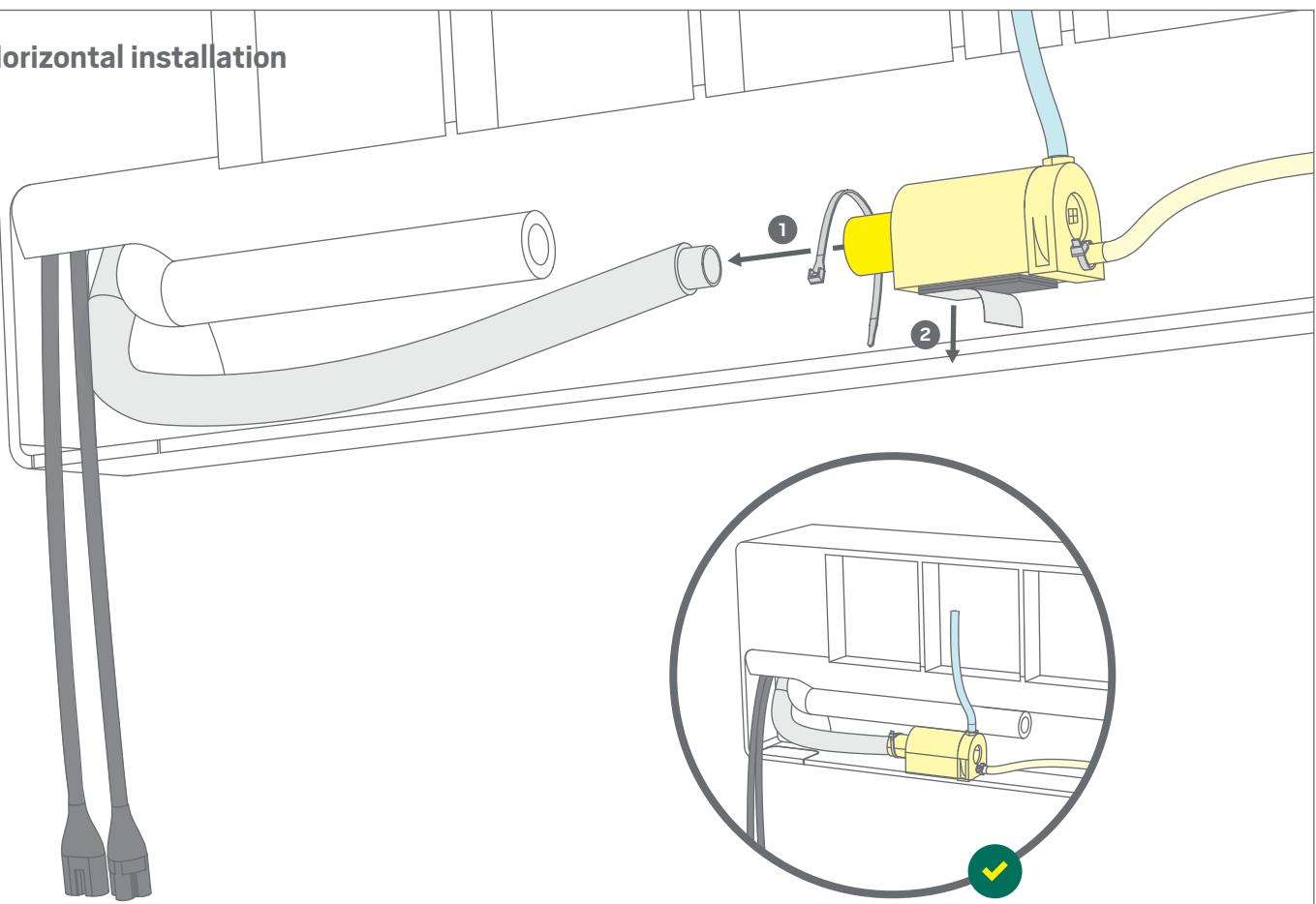
**4a** Horizontal installation



**4b** Vertical installation



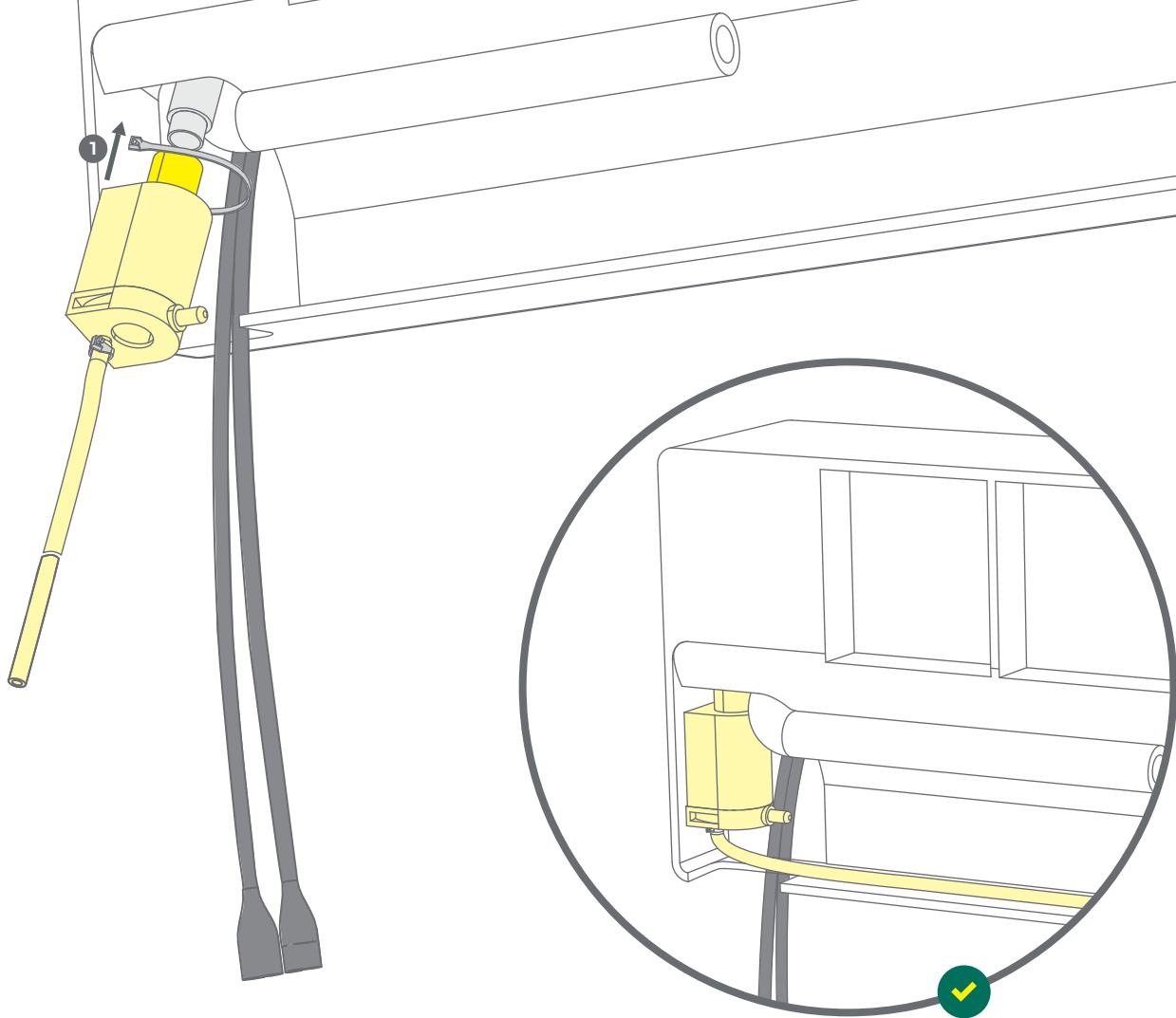
**5a** Horizontal installation



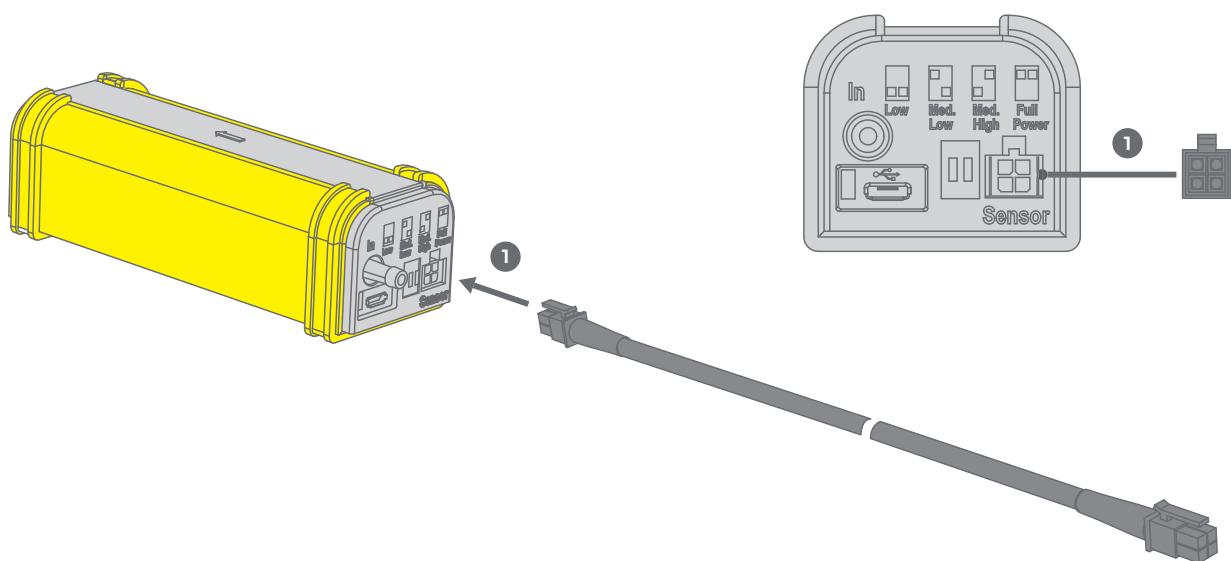
View installation video at [www.condensate-pumps.com](http://www.condensate-pumps.com)

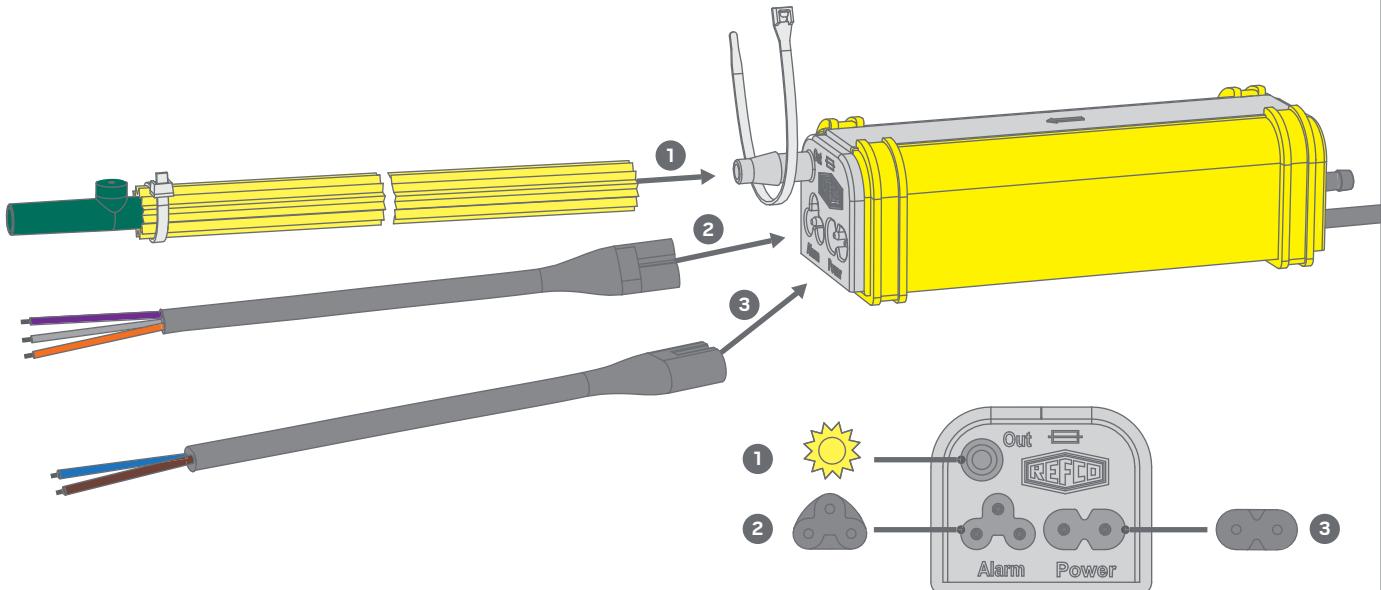
**5b**

### Vertical installation

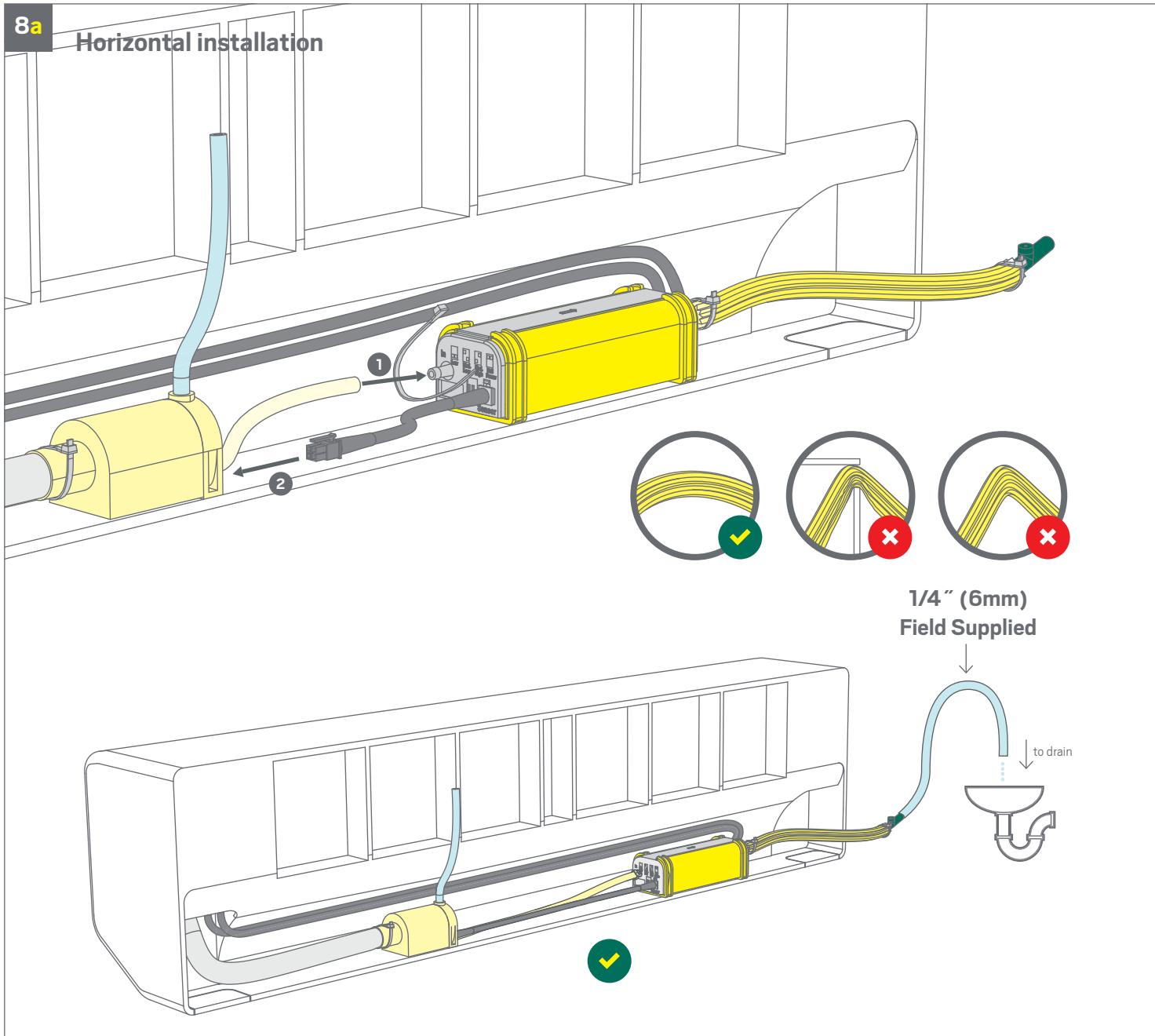


**6**





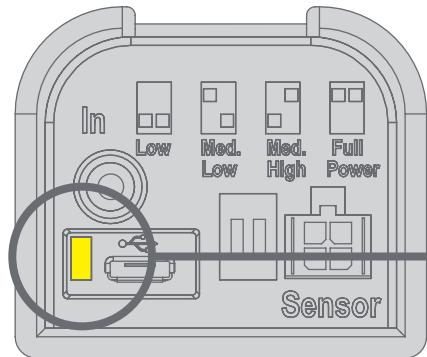
### 8a Horizontal installation



View installation video at [www.condensate-pumps.com](http://www.condensate-pumps.com)

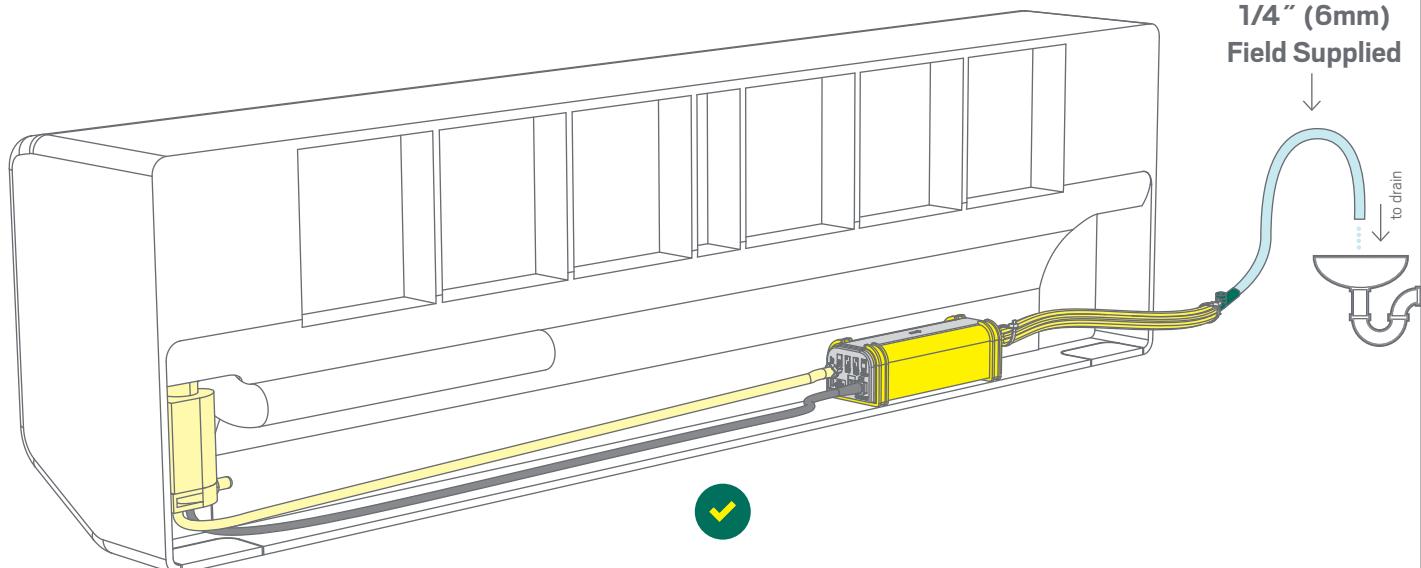
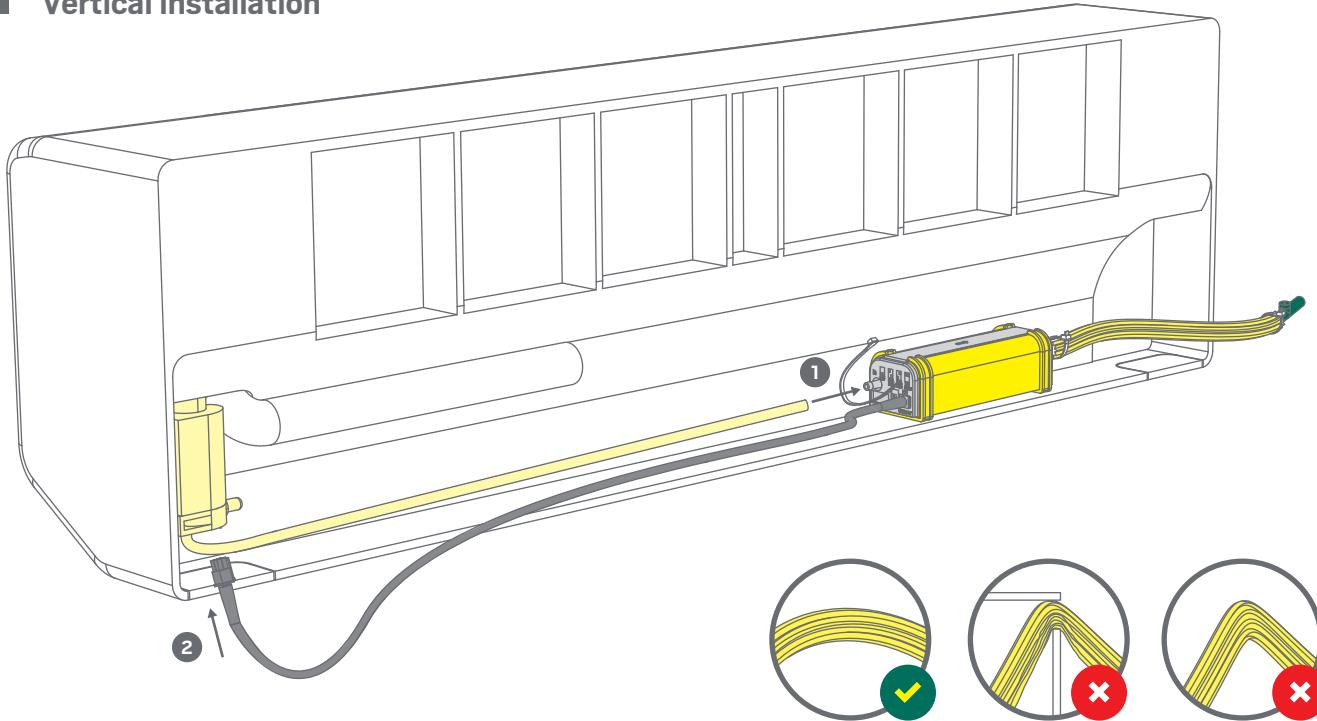


## LED check



8b

### Vertical installation



LED Check	No Power	○ (off)	○ (off)	○ (off)	○ (off)	○ (off)	Pump is miswired or no incoming voltage. Alarm fuse has been burned. Problem with A/C system or alarm is miswired.
	Power up LED sequence	1 sec Red/Green ● ● ○	○ (off)	1 sec Red/Green ● ● ○	○ (off)	1 sec Red/Green ● ● ○	Alternating red/ green flashes 5x only then stop and go to standby (default relay operation).
	Standby waiting for water	1 sec Green ● ○	○ (off)	1 sec Green ● ○	○ (off)	1 sec Green ● ○	Blinking Green continuously.
	Pumping water	Solid Green on ● ○	● ○	● ○	● ○	● ○	Running in low, med low, med high, or high power config. normal operation.
	High water level mode	1 sec Red ● ○	○ (off)	1 sec Red ● ○	○ (off)	1 sec Red ● ○	Running above high water level.
	Alarm relay activated	Solid Red on ● ○	● ○	● ○	● ○	● ○	Pump cannot keep up with water input. Prevent flooding break power to A/C.
	Reconfigure code	3x red, 3x green ● ● ● ○ ○ ○	○ (off)	3x red, 3x green ● ● ● ○ ○ ○	○ (off)	3x red, 3x green ● ● ● ○ ○ ○	Pump has had 3 extra long run cycles, reconfigure for more power.

LED Check	Kein Strom	○ (aus)	○ (aus)	○ (aus)	○ (aus)	○ (aus)	Pumpe ist falsch angeschlossen oder es liegt keine Spannung am Stromversorgungseingang an. Alarmsicherung ist durchgebrannt. Problem mit dem A/C [Wechselstrom] System oder Alarm ist falsch angeschlossen.
	LED Einschalt-Sequenz	1 Sek Rot / Grün ● ● ○	○ (off)	1 Sek Rot / Grün ● ● ○	○ (off)	1 Sek Rot / Grün ● ● ○	Blinkt abwechselnd 5x nur Rot/ Grün, stoppt dann und geht in den Standby über (Standard Relais-Betrieb).
	Standby Auf Wasser warten	1 Sek Grün ● ○	○ (aus)	1 Sek Grün ● ○	○ (aus)	1 Sek Grün ● ○	Blinkt kontinuierlich grün.
	Wasser wird gepumpt	Grün ständig an ● ○	● ○	● ○	● ○	● ○	Lauf in niedriger, mittlerer niedriger, mittlerer hoher oder hoher Leistungskonfiguration, normaler Betrieb.
	Hoher Wasserstand Modus	1 Sek Rot ● ○	○ (aus)	1 Sek Rot ● ○	○ (aus)	1 Sek Rot ● ○	Läuft über Hochwasser-Stand.
	Alarmrelais aktiviert	Rot ständig an ● ○	● ○	● ○	● ○	● ○	Pumpe kann mit Wasserzufuhr nicht mithalten. Zur Vermeidung von Überschwemmungen / Überlauf die Stromversorgung abschalten.

Voyants LED	Pas de courant	○ (éteint)	○ (éteint)	○ (éteint)	○ (éteint)	○ (éteint)	La pompe est mal câblée, ou aucune tension n'arrive. Le fusible d'alarme a grillé. Problème d'A/C ou alarme mal câblée.
	Séquence LED d'allumage	1 sec Rouge/Verte ● ● ○	○ (éteint)	1 sec Rouge/Verte ● ● ○	○ (éteint)	1 sec Rouge/Verte ● ● ○	Clignotement alternatif rouge/ vert 5 fois, puis arrêt et passage en veille (fonctionnement relais par défaut).
	Veille en attente d'eau	1 sec Vert ● ○	○ (éteint)	1 sec Vert ● ○	○ (éteint)	1 sec Vert ● ○	Clignotement vert continu.
	Pompage de l'eau	Vert allumé en fixe ● ○	● ○	● ○	● ○	● ○	Marche en configuration normale puissance basse, moyenne basse, moyenne haute ou haute.
	Mode niveau d'eau élevé	1 sec Rouge ● ○	○ (éteint)	1 sec Rouge ● ○	○ (éteint)	1 sec Rouge ● ○	Dépassement du niveau d'eau élevé.
	Relais d'alarme activé	Rouge allumé en fixe ● ○	● ○	● ○	● ○	● ○	La pompe ne peut absorber l'eau entrante. Pour éviter l'inondation, coupure du courant de l'A/C.
	Code de reconfiguration	3 x rouge, 3 x vert ● ● ● ○ ○ ○	○ (éteint)	3 x rouge, 3 x vert ● ● ● ○ ○ ○	○ (éteint)	3 x rouge, 3 x vert ● ● ● ○ ○ ○	La pompe dispose de 3 cycles de fonctionnement très longs, reconfigurez pour plus de puissance.

Chequeo de los LEDs	Falta de energía de alimentación	○ (off)	○ (off)	○ (off)	○ (off)	○ (off)	La bomba no ha sido correctamente cableada o no tiene tensión de entrada. El fusible de alarma se ha fundido. Problema con el sistema A/C o la alarma no está correctamente cableado.
	Energía al cabo de la secuencia de luces LED	1 segundo luz roja y verde ● ● ○	○ (off)	1 segundo luz roja y verde ● ● ○	○ (off)	1 segundo luz roja y verde ● ● ○	Las luces roja y verde se encienden alternadamente 5 veces, después de lo cual se activa el STOP y la bomba pasa el estado standby (el relé funciona por defecto).
	Standby del sistema esperando la presencia de agua	1 segundo luz verde ● ○	○ (off)	1 segundo luz verde ● ○	○ (off)	1 segundo luz verde ● ○	La luz verde parpadea de modo continuo.
	Agua bombeada	luz verde permanente ● ○	● ○	● ○	● ○	● ○	Funcionamiento a potencia "baja", "media", "medio baja", "medio alta" o "alta". Configuración normal: potencia "alta".
	Modo "elevado nivel de agua"	1 segundo luz roja ● ○	○ (off)	1 segundo luz roja ● ○	○ (off)	1 segundo luz roja ● ○	Funcionamiento por encima del nivel de agua.
	El relé de alarma se ha activado	luz roja permanente ● ○	● ○	● ○	● ○	● ○	La bomba no puede con el caudal de agua entrante. Prevenir inundación. Ajustar la potencia a A/C.
	Reconfigurar el correspondiente código	3 x luz roja / 3 x luz verde ● ● ● ○ ○ ○	○ (off)	3 x luz roja / 3 x luz verde ● ● ● ○ ○ ○	○ (off)	3 x luz roja / 3 x luz verde ● ● ● ○ ○ ○	La bomba ha ejecutado 3 ciclos de servicio extra prolongados. Reconfigurar para obtener más potencia.

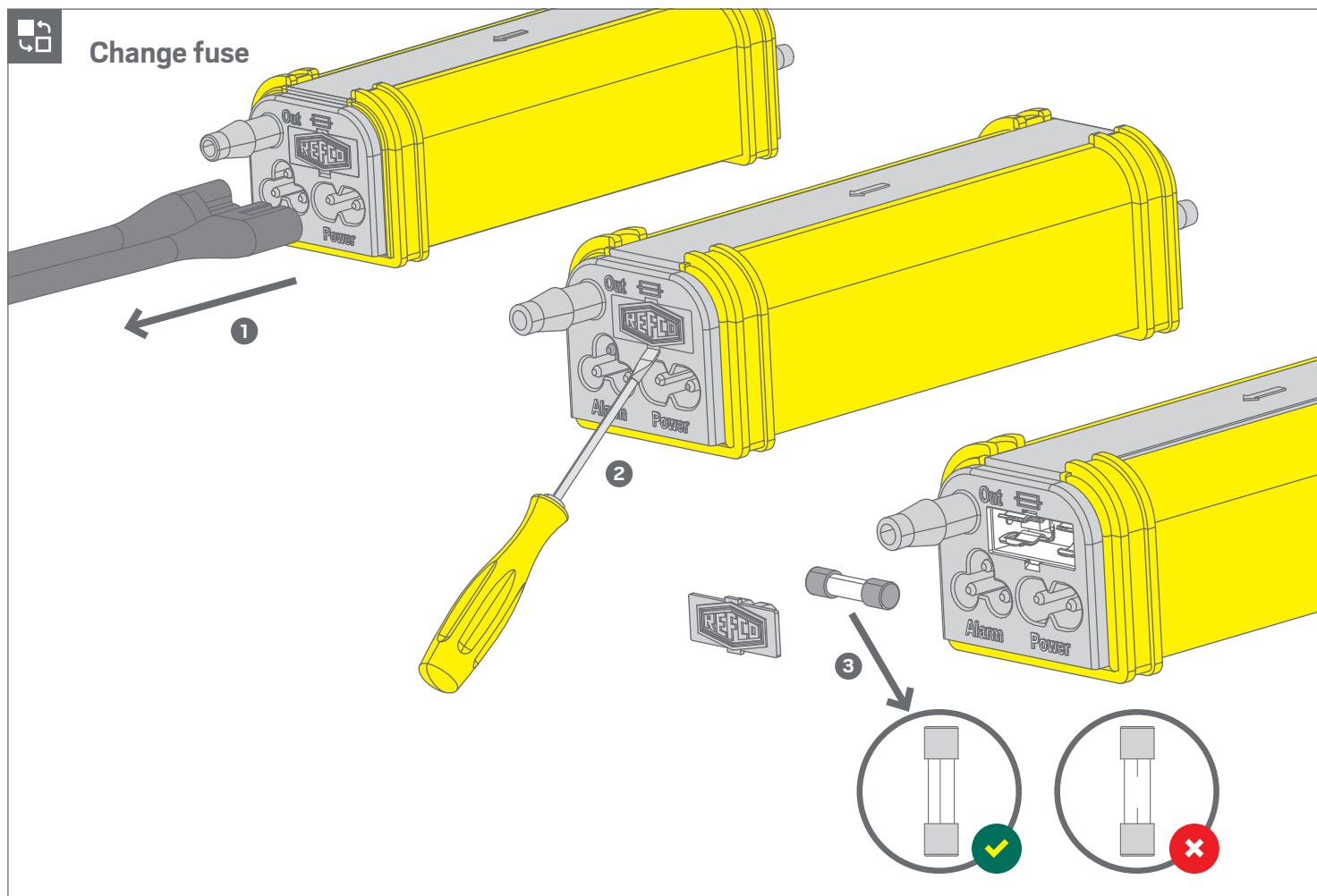
Spie LED	Tutto spento	○ (off)	○ (off)	○ (off)	○ (off)	○ (off)	La pompa è cablata male o non vi è tensione in ingresso. Il fusibile dell'allarme è bruciato. Problema con il Sistema A/C Oppure l'allarme è cablato male.
	Sequenza LED di accensione	1 sec Rosso/Verde ● ● ○	○ (off)	1 sec Rosso/Verde ● ● ○	○ (off)	1 sec Rosso/Verde ● ● ○	Rosso/Verde in alternanza lamppeggi solo 5x quindi si ferma e va in standby (mancanza funzionamento relè).
	Standby in attesa di acqua	1 sec Verde ● ○	○ (off)	1 sec Verde ● ○	○ (off)	1 sec Verde ● ○	Verde lamppeggiante in continuo.
	Pompaggio acqua	Verde fisso on ● ○	● ○	● ○	● ○	● ○	Funzionante in basso, med basso, med alto, o config alta potenza funzionamento normale.
	Modalità alto livello acqua	1 sec Rosso ● ○	○ (off)	1 sec Rosso ● ○	○ (off)	1 sec Rosso ● ○	Funzionante al di sopra livello alto acqua.
	Relè di allarme attivo	Rosso fisso acceso ● ○	● ○	● ○	● ○	● ○	La pompa non può far fronte all'ingresso di acqua. Per prevenire allagamento si interrompe alimentazione ad A/C.
	Codice riconfigurazione	3x rosso, 3x verde ● ● ● ○ ○ ○	○ (off)	3x rosso, 3x verde ● ● ● ○ ○ ○	○ (off)	3x rosso, 3x verde ● ● ● ○ ○ ○	La pompa ha avuto 3 cicli di funzionamento eccessivamente lunghi, riconfigurazione per maggiore potenza.

LED 檢查	无通电	○ (灭)	○ (灭)	○ (灭)	○ (灭)	○ (灭)	泵接线错误或无进入电压。报警保险丝已烧毁。空调系统故障 或 报警接线错误。
	通电 LED 序列	1秒红/绿 ● ● ○	○ (灭)	1秒红/绿 ● ● ○	○ (灭)	1秒红/绿 ● ● ○	交替红/绿闪烁 5 次，然后停止并进入待机状态（默认继电器操作）。
	待机等待水	1秒绿 ● ○	○ (灭)	1秒绿 ● ○	○ (灭)	1秒绿 ● ○	持续闪烁绿灯。
	泵水	持续亮绿灯 ● ○	● ○	● ○	● ○	● ○	以低、中低、中高或高功率配置正常操作运行。
	高水位模式	1秒红 ● ○	○ (灭)	1秒红 ● ○	○ (灭)	1秒红 ● ○	在高水位以上运行。
	报警继电器激活	持续亮红灯 ● ○	● ○	● ○	● ○	● ○	泵跟不上水输入速度。防止溢流，断开空调电源。
	重新配置代码	3x 红, 3x 绿 ● ● ● ○ ○ ○	○ (灭)	3x 红, 3x 绿 ● ● ● ○ ○ ○	○ (灭)	3x 红, 3x 绿 ● ● ● ○ ○ ○	泵经过 3 次超长运行循环，重新配置以获得更大功率。



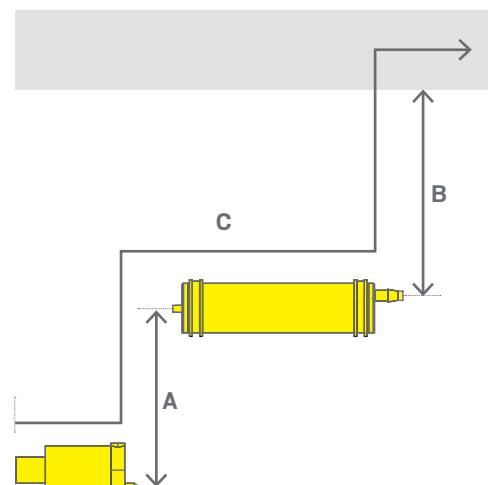


## Change fuse



## Corrected Flow Based on Installation L/Hr. 1/4" (6mm) discharge tube @ full power

A Suction (lift)	B Discharge (Rise) Meters	C Total Length (Run) Meters				
		5	10	15	20	30
0.0 m	0	42	42	40	40	40
	1 (3.3ft.)	42	42	40	40	36
	3 (9.9 ft.)	37	37	35	35	34
	5 (16.4 ft.)	31	30	29	29	29
	10 (32.8 ft.)	17	16	15	14	14
	15 (49.2 ft.)	9	9	9	9	8
1.0 m (3.3 Ft)	0	42	42	42	40	40
	1 (3.3ft.)	42	42	42	40	39
	3 (9.9 ft.)	36	36	35	35	34
	5 (16.4 ft.)	30	30	29	29	29
	10 (32.8 ft.)	16	16	16	16	15
	15 (49.2 ft.)	10	10	10	10	10
2.0 m (6.6 Ft.)	0	35	35	35	35	34
	1 (3.3ft.)	33	33	33	32	31
	3 (9.9 ft.)	33	32	31	31	30
	5 (16.4 ft.)	27	26	26	26	25
	10 (32.8 ft.)	17	17	16	16	15
	15 (49.2 ft.)	10	10	10	9	9
3.0 m (9.9 Ft.)	0	30	30	30	30	29
	1 (3.3ft.)	28	28	28	28	27
	3 (9.9 ft.)	28	28	28	27	26
	5 (16.4 ft.)	23	23	23	23	22
	10 (32.8 ft.)	15	15	15	15	15
	15 (49.2 ft.)	7	7	6	5	5



Conversion formula for  
US Gallons/Hr:

$$\text{L/Hr.} \times 0.264 = \text{G/Hr.}$$