

ENGINEERING  
TOMORROW

*Danfoss*

# Control Packs **Hard Wired** and **Wireless**

**80+** years  
of innovation

Innovating since 1933,  
Danfoss is a name you  
can trust to bring you  
the best in modern  
controls technology.



# Control Packs

## Hardwired Control Packs and Wiring Centres

**Competitively priced for the contracts market, Danfoss Controls Packs offer the contractor integrated components for a trouble free installation.**

**Zone Valve Solution Hard Wired Control Pack**  
All standard packs include a motorised valve(s), a room thermostat, a cylinder thermostat, a WC4B wiring centre and a programmer or timeswitch from the extensive Danfoss range. Packs for Combi boiler systems and un-vented hot water systems are also available please refer to our Sales Department for ordering details.

Ordering could not be simpler. Just quote the time control model followed by HSP for a Heatshare mid-position valve pack or HPP for a Heatplan 2-port pack with two 22mm zone valves.

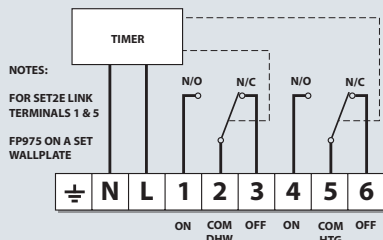
For upgrading old systems, packs can be supplied without a time control, and/or without a wiring centre. Simply ask for an Untimed HSP or HPP or a pack without a wiring centre.

### Twin Pump Solutions

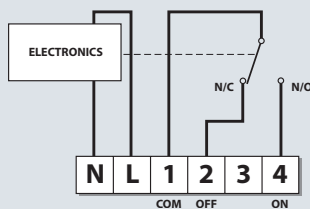
In addition to controls packs for zone valve-based solutions, Danfoss also supply packs specifically designed for Twin Pump Solutions as marketed by Grundfos. These packs contain a programmer (FP715 or SET3M), RMT230 room thermostat and ATC cylinder thermostat.

### Wiring Details

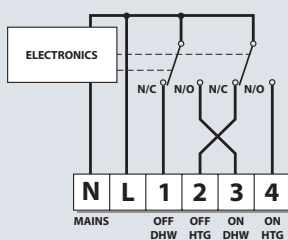
SET2E, SET3E, SET3M, FP975



TS715Si



FP715Si, CP715Si



Hard Wired Control Pack

- Convenient all-in-one solution
- Cost effective
- Available in timed and untimed solutions
- Easy to install
- Service interval pack options now available (FP715Si and CP715Si)

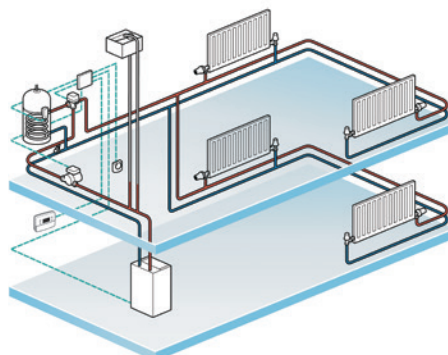
Control Options <sup>(1) (2)</sup>					
Model	Time Control Type	Heatshare 3-Port Packs		Heatplan 2-Port Packs	
		Type	Code No	Type	Code No
	Untimed	Untimed HSP	087N652000	Untimed HPP	087N652040
SET2E	Mini-Programmer	SET2E HSP	087N651300	SET2E HPP	087N651340
SET3M	Programmer	SET3M HSP	087N650200	SET3M HPP	087N650240
SET3E	Programmer	SET3E HSP	087N651400	SET3E HPP	087N651440
CP715 Si	Programmer	CP715 Si HSP	087N850100	CP715 Si HPP	087N850140
FP715 Si	Full Programmer	FP715 Si HSP	087N850000	FP715 Si HPP	087N850040

### Notes:

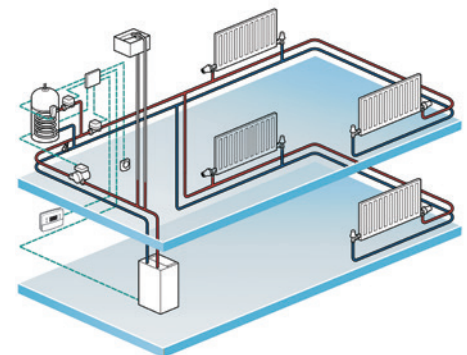
- (1) All standard packs listed above contain 22mm valve (1 x 3-port valve or 2 x 2-port valves), room thermostat, ATC cylinder thermostats, plus WC4B wiring centre and relevant programmer.  
(2) To order packs other than those listed above, please contact our Sales Department for ordering details.

### Wiring Centres

Model	Code No	Voltage Rating	Current Rating	Cable Clamps	Wiring Info
WC4B (20 way)	087N679900	230Vac ± 15%	10A res.	•	•



3-port mid position valve system



2-port zone valve system

# Control Packs

## Wireless Control Packs



Wireless Control Pack

- Suitable for motorised valve and multi-pump installations
- Wireless thermostats for ease of installation
- Provides programmed time and temperature control of heating and hot water

Wireless Control Packs - Fully RF		Pack Contents		
Description	Code No	Programmable Room Thermostat	Programmable Cylinder Thermostat	Motorised Valves
Pack for use with 2-port zone valves	087N737600	TP7000 RF	WP75 - RF	Not Incl.
Pack for use with 3-port mid-position valves	087N742100	TP7000 RF	WP75 - RF	Not Incl.
Pack for use with 3-port mid-position valves	087N742200	TP7000 RF	WP75 - RF	1-22mm HS3
Pack for use with 2-port zone valves	087N742300	TP7000 RF	WP75 - RF	2-22mm HP22
Pack for use with 3-port mid-position valves	087N742400	TP5000 RF	WP75 - RF	1-22mm HS3
Pack for use with 2-port zone valves	087N742500	TP5000 RF	WP75 - RF	2-22mm HP22

Please note: All packs contain a WC4B wiring centre, 087N7376 include RX3B receiver, 087N6500V5 includes RX1 receiver, all other packs include RX2C receivers.

Wireless Control Packs - Part Hard Wired		Pack Contents			
Description	Code No	Programmer	Room Thermostat	Cylinder Thermostat	Motorised Valves
Pack for use with 3-port mid-position valves	087N6500V3	FP715 Si	RET B-RF	CET B - RF	1-22mm HS3
Pack for use with 2-port zone valves	087N6500V4	FP715 Si	RET B-RF	CET B - RF	2-22mm HP22
Pack for use with unvented hot water systems	087N6500V5	FP715 Si	RET B-RF	CET B - RF	1-22mm HP22

Please note: All packs contain a WC4B wiring centre, 087N6500V5 includes RX1 receiver, all other packs include RX2C receivers.

A new concept in domestic heating controls aimed at 'speeding-up' the installation process in both new and existing domestic heating systems.

Each Wireless Controls Pack consists of a programmable room thermostat, programmable hot water thermostat and receiver. The thermostats use wireless communication to control the receiver.

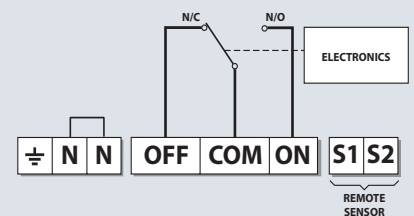
Room temperature control is achieved by means of a dial-setting or programmable thermostat that uses secure digital radio communication to control an RX receiver unit that can be mounted up to thirty metres from the thermostat.

A dial-setting or programmable hot water thermostat controls the temperature of the stored domestic hot water. The WP75-RF also utilises radio communication to control a second channel of the RX receiver. Wiring between thermostats and receiver is eliminated, significantly reducing installation time and removing the risk of damage to building fabric, decoration and furnishings.

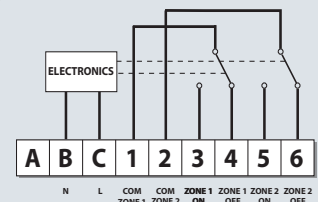
In the standard pack the RX2-C receiver can be used to control conventional motorised zone valves on the heating and hot water circuits, or can be used to control the operation of heating and hot water pumps.

### Wiring Details

WP75-RF



RX2-C



TP7000-RF

