



Control Packs Hard Wired and Wireless

75+ years

of innovation

Constantly 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

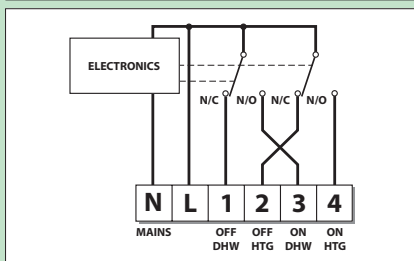
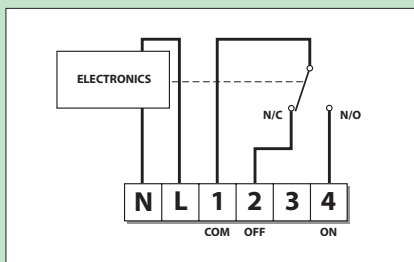
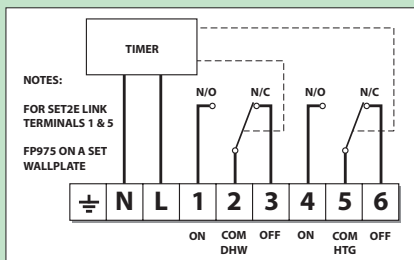
In addition to controls packs for zone valve-based solutions, Danfoss also supply packs specifically designed for Twin Pump Solutions as marketed by Grundfos. These packs contain a programmer (FP715 or SET3M), RMT230 room thermostat and ATC cylinder thermostat.



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)

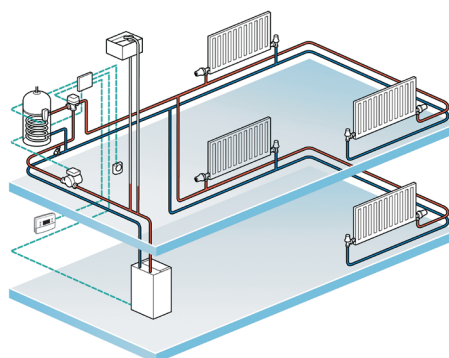
Wiring Details



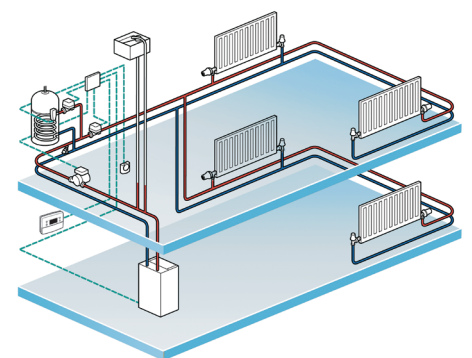
Control Options ^{(1) (2)}					
Model	Time Control Type	Heatshare 3-Port Packs		Heatplan 2-Port Packs	
		Type	Code No	Type	Code No
	Untimed	Untimed HSP	087N652000	Untimed HPP	087N652040
SET2E	Mini-Programmer	SET2E HSP	087N651300	SET2E HPP	087N651340
SET3M	Programmer	SET3M HSP	087N650200	SET3M HPP	087N650240
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), RMT 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.

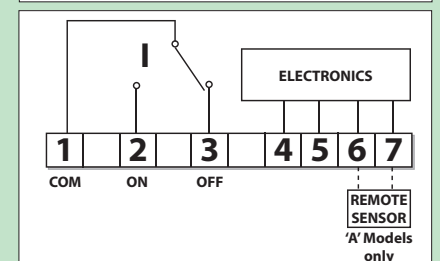
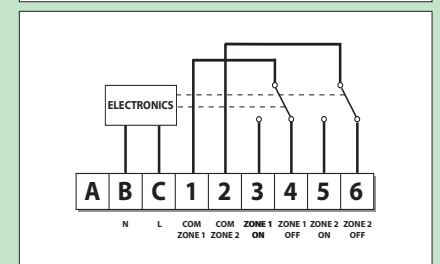
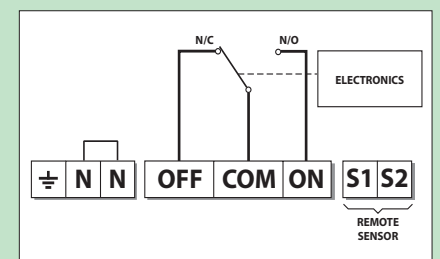
Each Wireless Controls Pack consists of a programmable room thermostat, programmable hot water thermostat and receiver. The thermostats use wireless communication to control the receiver.

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



Literature Service Order Form

Product Range	Type	Part No.	Quantity
Domestic Product Selection Guide	Catalogue	028	
Wireless Control Packs	Catalogue	662	
Underfloor Heating Product & System Guide	Catalogue	438	
RA2000 Commercial Radiator Thermostats	Catalogue	410	
Commercial Product Selection Guide	Catalogue	026	
Radiator Thermostats			
RAS-C ² Revolver Radiator Thermostats, incl. push-fit versions	Sales Leaflet*	250	
RAS-D ² Domestic Revolver Radiator Thermostats, incl. push-fit versions	Sales Leaflet*	336	
RA2000 Commercial Radiator Sensors	Datasheet	VDVBE122	
RA-FN and RA-G Commercial Valve Bodies	Datasheet	VD51Q102	
RA-N Commercial Valve Bodies	Datasheet	VD51G802	
RLV-D Domestic Lockshield Valves, including push-fit versions	Datasheet	VD35E202	
RLV Commercial Lockshield Valves	Datasheet	VD35D102	
H Pieces and Sensors	Datasheet	VD35C102	
Bathroom Solutions - RA-URX Towel Rail	Sales Leaflet	580	
Bathroom Solutions - RA-URX Towel Rail	Datasheet	VDUVV202	
Replacement Sensors RA-V & RA-VL	Datasheet	VDULY102	
Time Controls			
MK18 Time Controls - TS715 Si, CP715 Si & FP715 Si	Sales Leaflet	334	
MK18 Time Controls, Compatibility Guide	Sales Leaflet	196	
FP975 Replacement Time Controls	Datasheet	208	
GP Time Controls - 102, 102E7, 103 & 103E7	Sales Leaflet	582	
Set Range - SET1E, SET2E, SET3E & SET3M	Sales Leaflet	188	
MK3 Programmables - 3020P, 3060 & 4033	Datasheet	040	
Commercial Time Controls - MK8	Sales Leaflet	606	
Electric Thermostats			
RT51 and RT51-RF Digital Thermostats	Sales Leaflet*	144	
TP4000 Programmable Room Thermostats	Sales Leaflet*	238	
TP5000 Si Programmable Room Thermostats	Sales Leaflet*	296	
TP7000 Programmable Room Thermostats	Sales Leaflet*	594	
HC6000 Heat/Cool Thermostats	Sales Leaflet*	596	
TP9000 Programmable Thermostat with Hot Water Time Control	Sales Leaflet*	692	
WP75RF Programmable Hot Water Thermostat	Sales Leaflet*	282	
RMT/RET Room Thermostats	Sales Leaflet*	584	
RET230 Electronic Room Thermostats with Function Switches	Sales Leaflet*	592	
RET230 HC and HCW Heat/Cool Thermostats	Datasheet	660	
RET B Battery Room Thermostats plus RF versions	Sales Leaflet*	588	
RET-MD and RET-M Room Thermostats	Sales Leaflet*	590	
RET230P Electronic Room Thermostat	Datasheet	752	
FlatStat Flush Mount Thermostat	Sales Leaflet*	720	
ORT Modulating Thermostats	Sales Leaflet*	150	
Cylinder, Pipe & Frost Thermostats - ATC, ATP, ATF and RET230F	Datasheet	374	
Immersion Thermostats - ITC, ITL and ITD	Datasheet	374	
Underfloor Heating Controls			
Underfloor Heating Product and System Guide	Catalogue	438	
DeviMat Electric Underfloor Warming	Sales Leaflet*	628	
DeviDry Electric Underfloor Warming	Sales Leaflet	812	
DeviLink and DeviReg Thermostat Range	Sales Leaflet	884	
DeviClear, DeviFoil and DeviRail	Sales Leaflet	894	
CF2 2-Way Wireless Floor Heating Control System	Sales Leaflet*	882	
FH-WC Hard Wired Zone Control	Datasheet	620	
FH-BU Wireless Zone Control	Datasheet	622	
FHV Valves for Underfloor Heating	Sales Leaflet*	476	
FHF-F Floor Heating Manifold	Datasheet	VDUDO112	
Motorised Valves and Other Controls			
Control Packs	Sales Leaflet*	120	
Wiring Centre WC4B	Instructions	39917	
Wireless Controls Packs WP75-RF	Datasheet	408	
H Series Motorised Valves	Sales Leaflet*	192	
Domestic Bypass Valves AVDO	Datasheet	062	
Domestic Bypass Valves ARV22	Datasheet	380	
Thermal Actuators TWA	Datasheet	VDSAP112	
AB-QM Balancing Valves	Datasheet	VDA2W712	
AB-QM Balancing Valves	Sales Leaflet	VBA2Z102	
Thermostatic Cylinder Controls RAVI	Datasheet	240	
Climate Control Range - FEK, FEV and FED	Catalogue	346	

Ordering Literature
To obtain copies of individual product sales leaflets and datasheets please photocopy this page and complete your personal details and the literature quantities you require and fax this form to
UK 0845 1217 513
Ireland 1800 930 242

Company Name: _____

Address _____

Postcode _____

Contact Name _____

Datasheets	
* Denotes that datasheets are also available. Please use the space below to indicate which datasheet you would like to order.	
Datasheet	Quantity