

# WIRING COMPARISON TABLE

## Programmers

		MAINS			HW CH		HW CH		Spare
		E	N	L	OFF	OFF	ON	ON	
CentaurPlus C21 or C27XL		E	N	L	1	2	3	4	None
ACL- Drayton	FP	E	2	1	8	11	6	10	3
	LS112	E	N	L	2		3	4	
	MP	E	2	1			6	10	3,7,8
	Switchmaster 320	E	N, 2	L			3	1	
	Switchmaster 350	E	N, 2	L			3	1	
	Switchmaster 400	E	N	L		4	3	1	2
	Switchmaster 600	E	N	L			3	1	2, 4
	Switchmaster 805	E	N	L	4	2	3	1	
	Switchmaster 900	E	N	L	4	2	3	1	A,B,C
	Switchmaster 9000	E	N	L	4	2	3	1	A,B,C
	Switchmaster 9001	E	N	L	4	2	3	1	A,B,C
	Switchmaster 905	E	N	L	4	2	3	1	
	Switchmaster Sonata		N	L	3	6	1	4	
Danfoss Randall	102	E	5	6			1	2	
	102E	E	5	6			1	2	
	102E5	E	5	6			1	2	
	102E7	E	5	6			1	2	
	3020P	8	1,7	6			4	2	3,5
	3033	8	1,7	6	5	3	4	2	
	3060	8	1,7	6			4	2	3,5
	4033	8	7	6	5	3	4	2	
	701	E	N	L	4	2	3	1	
	702	E	N	L	4	2	3	1	
	922	E	N	L	1	4	3	6	
	972	E	N	L	1	4	3	6	
	FP715	E	N	L	3	1	2	4	
Honeywell	ST699B-Fully Pumped	E	N	L	7	4	6	3	
	ST699B-Gravity	E	N	L			8	3	
	ST7000A		N	L	2		3	4	
	ST7100	E	N	L	7	4	8	5	
	ST799A		N	L	7	4	6	3	
Horstmann	423 Amethyst 10	E	2,3	1	4	6	5	7	
	423 Amethyst 7	E	2,3	1	4	6	5	7	
	423 Diamond	E	N	L			2	4	5,6
	424 Coral	E	2,3	1			8	4	5,6
	424 Diamond	E	N	L/1			2	4	5
	424 Gem	E	2,3	1	6	9	4	7	
Landis & Gyr	RWB20		N	L	1	2	3	4	
Myson	Microtimer One		N	L	7	4	6	3	
	Microtimer Seven		N	L	7	4	6	3	
Pegler Sunvic	MP2		N	L			HW OFF	HW ON	CH ON
	SP100	E	N	L	1	4	2	5	5,5
	SP2	E	N	L	1	4	3	6	
	SP25	E	N	L	1		2	5	5,5,4
	SP30	E	N	L	1		2	5	5,5,4
	SP50	E	N	L	1	4	2	5	5,5
Potterton	EP2000	E	N	L	1	2	3	4	A,B,C,D
	EP2001	E	N	L	1	2	3	4	A,B,C,D
	EP2002	E	N	L	1	2	3	4	A,B,C,D
	EP3000	E	N	L	1	2	3	4	A,B,C,D
	EP3001	E	N	L	1	2	3	4	A,B,C,D
	EP3002	E	N	L	1	2	3	4	A,B,C,D
	EP6000	E	N	L	1	2	3	4	A,B,C,D
	EP6002	E	N	L	1	2	3	4	A,B,C,D
Sangamo	M5	E	4,5	3			1	6	
Smiths Industries	Centroller 100	E	N	L			3	2	1,4
	Centroller 60	E	1	2			5	4	3,6
	Centroller 70	E	1	2			5	4	3,6
	Centroller 90	E	1	2			5	4	3,6
Towerchron	T2002	E	N	L			HW ON	CH ON	
	T2002Q	E	N	L			HW ON	CH ON	
	T2003	E	N	L	HW OFF	CH OFF	HW ON	CH ON	
	T2003Q	E	N	L	HW OFF	CH OFF	HW ON	CH ON	
Venner	CHC/W2	E	N,2,4	L			1	A/S	A/S,3
	Venetrol 80	E	N,1,3,4	L			2		5
	Venetrol 80M	E	N,3	L	1	4	2		5
	Venetrol 80P	E	N,1,3	L			2	A/S	A/S,4,5
	Venetrol 80P/M	E	N,3	L	1	4	2	A/S	A/S, 5
	Venner T20	E	N	L			1	4	
	Venner T30	E	N	L	1	3	2	4	

		MAINS			HW	HW CH		CH		Spare	
		E	N	L	ON	COM	OFF	ON	COM	OFF	Spare
425 Diadem/Tiara or ChannelPlus H21/H27XL		E	N	L	1	2	3	4	5	6	None
		E	2	1	6		8	10		11	3
		E	N	L	3		2	4			
		E	2	1	6			10			3,7,8
		E	N,2	L	3	4		1			
		E	N,2	L	3	4		1			
		E	N	L	3			1		4	2
		E	N	L	3			1			2,4
		E	N	L	3			4	1		2
		E	N	L	3			4	1		2
		E	N	L	3			4	1		2
		E	N	L	3			4	1		2
		E	N	L	3			4	1		2
		E	N	L	1		3	4		6	
		E	5	6	1	3		2			
		E	5	6	1	3		2			
		E	5	6	1	3		2			
		E	5	6	1	3		2			
		8	1,7	6	4			2			3,5
		8	1,7	6	4		5	2		3	
		8	1,7	6	4			2			3,5
		8	7	6	4		5	2	1	3	
		E	N	L	3	6	4	1	5	2	
		E	N	L	3	6	4	1	5	2	
		E	N	L	3	2	1	6	5	4	
		E	N	L	3	2	1	6	5	4	
		E	N	L	2		3	4		1	
		E	N	L	6	8	7	3	5	4	
		E	N	L	8	6		3	5		
		E	N	L	3		2	4			
		E	N	L	8	6	7	5	3	4	
		E	N	L	6	8	7	3	5	4	
		E	2,3	1	5		4	7		6	
		E	2,3	1	5		4	7		6	
		E	N	L	2	1		4	3		5,6
		E	2,3	1	8			4	7		5,6
		E	N	L/1	2			4	3		5
		E	2,3	1	4	5	6	7	8	9	
		E	N	L	3		1	4		2	
		E	N	L	6	8	7	3	5	4	
		E	N	L	6	8	7	3	5	4	
		E	N	L			HW OFF	HW ON	CH ON		
		E	N	L	2		1	5	3	4	5,5
		E	N	L	3		1	6		4	
		E	N	L	2		1	5	3		5,5,4
		E	N	L	2		1	5	3		5,5,4
		E	N	L	2		1	5	3	4	5,5
		E	N	L	3		1	4	5	2	A,B,C,D
		E	N	L	3		1	4	5	2	A,B,C,D
		E	N	L	3		1	4	5	2	A,B,C,D
		E	N	L	3		1	4	5	2	A,B,C,D
		E	N	L	3		1	4	5	2	A,B,C,D
		E	N	L	3		1	4	5	2	A,B,C,D
		E	N	L	3		1	4	5	2	A,B,C,D
		E	4,5	3	1			6			
		E	N	L	3			2			1,4
		E	1	2	5			4			3,6
		E	1	2	5			4			3,6
		E	1	2	5			4			3,6
		E	N	L			HW ON			CH ON	
		E	N	L			HW ON			CH ON	
		E	N	L	HW ON	COM	HW OFF	CH ON	COM	CH OFF	
		E	N	L	HW ON	COM	HW OFF	CH ON	COM	CH OFF	
		E	N,2,4	L	1			A/S			A/S,3
		E	N,1,3,4	L	2			A/S			A/S,5
		E	N,3	L	2		1	A/S		4	A/S,5
		E	N,1,3	L	2			A/S			A/S,4,5
		E	N,3	L	2		1	A/S		4	A/S, 5
		E	N	L	1			4			
		E	N	L	2		1	4		3	

# WIRING COMPARISON TABLE

## Timeswitches

		MAINS					
		E	N	L	SPARE	COM	OFF ON
		CentaurPlus C11 or C17					
		E	N	L	1	2	3 4
ACL-Drayton	LP111		N	L	4	1	2 3
	LP711		N	L	4	1	2 3
	LS111		N	L	4	1	2 3
	LS711		N	L	4	1	2 3
	Switchmaster 300		N,2	L		4	1
	Switchmaster 980		N	L		4	1
	TC		2	1			7
	Tempus 1		N	L	4	1	3 2
	Tempus 2		N	L	4	1	3 2
Danfoss Randall	103	4	5	6	2	3	1
	103E	4	5	6	2	3	1
	103E5	4	5	6	2	3	1
	103E7	4	5	6	2	3	1
	911	E	N	L	2	5	4 6
	917	E	N	L	2	5	4 6
	971	E	N	L	2	5	4 6
	TS15		N	L	5,6	1	2 4
	TS75		N	L	5,6	1	2 4
Honeywell	ST6100A		N	L	3	1	2 4
	ST6100C		N	L	3	1	2 4
	ST7000B		N	L			2 3
Horstmann	423 Emerald	E	N	L	5,6	3	4
	423 Pearl Auto	E	N	L	5,6	3	4
	424 Emerald	E	N	L/1	5	3	4
	424 Pearl Auto	E	N	L/1	5	3	4
	Centaur SC1	E	N	L	4	1	2 3
	Centaur SC7	E	N	L	4	1	2 3
Pegler Sunvic	SP20	E	N	L	5	3	4 5
	SP35	E	N	L	5	3	4 5
	Select 107	E	N	L	1	2	3
Potterton	EP4000	E	N	L	A,B,C,D	5	2 4
	EP4001	E	N	L	A,B,C,D	5	2 4
	EP4002	E	N	L	A,B,C,D	5	2 4
	EP5002	E	N	L	A,B,C,D	5	2 4
Sangamo	409 form 8		N,3	L,5	1	6	2
	410 form 8	E	4,5	3	6,7,8	2	1
	M6	E	4	6		3	2 1
Smiths Industries	Centroller 30	E	1	2		3,6	4,5
	Centroller 40	E	1	2		3,6	4,5
	Centroller 50	E	2	1,5			4
	Centroller Mk1		N	L		3	2
	Centroller Mk2		N	L		3	2
Towerchron	DT71		N	L		3	2 4
	QE1		N	L	1	3	2 4
	T2001		N	L			7
	T2001Q		N	L			7
Venner	Venner T10	E	N	L		2	1 3
	Venotime	E	N	L	2		1 3

		MAINS					
		E	N	L	SPARE	ON	COM OFF
		425 Coronet or ChannelPlus H11/H17XL					
		E	N	L	1,2,3	4	5 6
			N	L	4	3	1 2
			N	L	4	3	1 2
			N	L	4	3	1 2
			N	L	4	3	1 2
			N,2	L		1	4
			N	L		1	4
			2	1			7
			N	L	4	2	1 3
			N	L	4	2	1 3
		4	5	6	2	1	3
		4	5	6	2	1	3
		4	5	6	2	1	3
		4	5	6	2	1	3
		E	N	L	2	6	5 4
		E	N	L	2	6	5 4
		E	N	L	2	6	5 4
			N	L	5,6	4	1 2
			N	L	5,6	4	1 2
			N	L	3	4	1 2
			N	L	3	4	1 2
			N	L		3	2
		E	N	L	5,6	4	3
		E	N	L	5,6	4	3
		E	N	L/1	5	4	3
		E	N	L/1	5	4	3
		E	N	L	4	3	1 2
		E	N	L	4	3	1 2
		E	N	L	5	5	3 4
		E	N	L	5	5	3 4
		E	N	L		3	1 2
		E	N	L	A,B,C,D	4	5 2
		E	N	L	A,B,C,D	4	5 2
		E	N	L	A,B,C,D	4	5 2
		E	N	L	A,B,C,D	4	5 2
			N,3	L,5	1	2	6
		E	4,5	3	6,7,8	1	2
		E	4	6		1	3 2
		E	1	2		4,5	3,6
		E	1	2		4,5	3,6
		E	2	1,5		4	
			N	L		2	3
			N	L		2	3
			N	L		4	3 2
			N	L	1	4	3 2
			N	L		7	
			N	L		7	
		E	N	L		3	2 1
		E	N	L	2	3	1

**Note:** Before removing any existing programmer it is essential to make a note of wire colours, terminal positions and numbers in relation to the existing backplate. The above charts only include programmers or timeswitches where wiring changes are necessary when fitting our recommended replacement. Where a direct plug-in replacement is available or where terminal connections do not change the appropriate replacement is shown on the Programmer Compatibility Guide overleaf.

**Programmers:** The CentaurPlus, ChannelPlus and 425 Series models detailed within the programmer table do not have any SPARE or LINKING terminals. If spare terminals have been used on the programmer being replaced then any connected wires should be removed and re-connected into a separate piece of terminal block.

**Timeswitches:** Terminal 1 on the CentaurPlus and Terminals 1, 2 & 3 on the ChannelPlus and 425 Coronet models detailed within the Timeswitch table are SPARE or LINKING terminals. In the event that the number of spare terminals used on the timeswitch being replaced exceeds those detailed above then any connected wires should be removed and re-connected into a separate piece of terminal block.

**Wires from different spare terminals should not be joined together.**

The information contained in this manual is intended for guidance only and is believed to be correct. Horstmann Controls Ltd can accept no liability for any errors or omissions and reserve the right to make changes at any time without notice.

Installation and connection should only be carried out by a suitably qualified person and in accordance with the current edition of the IEE wiring regulations.



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