

input registers (r)

values on web

changing values

holding registers (r/w)

dynamic update

stored in non-volatile mem

output coils

on page-load only

written in I/O register (RAM) only

RED Font means those values will be used with the future Heat Pump model only.

	iT8-1	iT8-2	iT8-3	iT8-4	iT8-5	iT8-6	iT8-7	iT8-8	descriptions	range	default	Notes
1	701	717	733	749	765	781	797	813	current temp sts	32-105F (0-40C)	-	
2	702	718	734	750	766	782	798	814	hvac mode sts	0=cool, 1=heat, 2=off, 3=EmgHt	-	
3	703	719	735	751	767	783	799	815	temp offset sts	-10 -> 10	-	
4	704	720	736	752	768	784	800	816	temp stpt sts	50-105F (10-40C)	-	
5	705	721	737	753	769	785	801	817	ClgVlv sts	0-255 = 0-100% = 0-10V	-	
6	706	722	738	754	770	786	802	818	HtgVlv sts	0-255 = 0-100% = 0-10V	-	
7	707	723	739	755	771	787	803	819	Status Byte	bit mapped: 0=fanMd,1=slvMd,2=on/off,3=fanR,4=clgR,5=htgR,6=AuxHt,7=RVV	-	
8	708	724	740	756	772	788	804	820	External 1W Temp Sensor	-10C to 85C (-15F to 185F)	-	1W tmp snsr can be used for control
9	709	725	741	757	773	789	805	821	hvac mode cmd	0=cool, 1=heat, 2=off, 3=EmgHt	1	used to remotely assign hvac mode
10	710	726	742	758	774	790	806	822	temp stpt cmd	50-105F (10-40C)	72	used to remotely assign stpt
11	711	727	743	759	775	791	807	823	ClgVlv cmd	0-255 = 0-100% = 0-10V	-	for direct control: in slave mode only
12	712	728	744	760	776	792	808	824	HtgVlv cmd	0-255 = 0-100% = 0-10V	-	for direct control: in slave mode only
13	713	729	745	761	777	793	809	825	stpt deadband	1,2,4,6,...20	2	how tight to control temp to stpt
14	714	730	746	762	778	794	810	826				
15	715	731	747	763	779	795	811	827	effective heating stpt			
16	716	732	748	764	780	796	812	828	effective cooling stpt			

	iT8-1	iT8-2	iT8-3	iT8-4	iT8-5	iT8-6	iT8-7	iT8-8	descriptions	range	default	Notes
1	11	21	31	41	51	61	71	81	FanMode Cmd	0=auto, 1=ON	0	auto by demand or on always
2	12	22	32	42	52	62	72	82	Tstat on/off cmd	0=off, 1=on	1	turns tstat on/off
3	13	23	33	43	53	63	73	83	Keypad Mode Cmd	0=unlocked, 1=locked	0	locks all keys on tstat (local mode only)
4	14	24	34	44	54	64	74	84	Local/Slave cmd	0=local, 1=slave	0	controlled locally or via network
5	15	25	35	45	55	65	75	85	Keypad Admin lock cmd	0=off, 1=on	0	locks all keys except stpt up/down
6	16	26	36	46	56	66	76	86	Fan Relay Cmd	0=off, 1=on	-	for direct control: in slave mode only
7	17	27	37	47	57	67	77	87	Clg Relay cmd	0=off, 1=on	-	for direct control: in slave mode only
8	18	28	38	48	58	68	78	88	Htg Relay cmd	0=off, 1=on	-	for direct control: in slave mode only
9	19	29	39	49	59	69	79	89	3rd Stg/Emrg Ht cmd	0=off, 1=on	-	for direct control: in slave mode only
10	20	30	40	50	60	70	80	90	Rev.Vlv cmd	0=off, 1=on	-	for direct control: in slave mode only

	iT8-9	iT8-10	iT8-11	iT8-12	iT8-13	iT8-14	iT8-15	iT8-16	descriptions	range	default	Notes
1	829	845	861	877	893	909	925	941	current temp sts	32-105F (0-40C)	-	
2	830	846	862	878	894	910	926	942	hvac mode sts	0=cool, 1=heat, 2=off, 3=EmgHt	-	
3	831	847	863	879	895	911	927	943	temp offset sts	-10 -> 10	-	
4	832	848	864	880	896	912	928	944	temp stpt sts	50-105F (10-40C)	-	
5	833	849	865	881	897	913	929	945	ClgVlv sts	0-255 = 0-100% = 0-10V	-	
6	834	850	866	882	898	914	930	946	HtgVlv sts	0-255 = 0-100% = 0-10V	-	
7	835	851	867	883	899	915	931	947	Status Byte	bit mapped: 0=fanMd,1=slvMd,2=on/off,3=fanR,4=clgR,5=htgR,6=AuxHt,7=RVV	-	
8	836	852	868	884	900	916	932	948	External 1W Temp Sensor	-10C to 85C (-15F to 185F)	-	1W tmp snsr can be used for control
9	837	853	869	885	901	917	933	949	hvac mode cmd	0=cool, 1=heat, 2=off, 3=EmgHt	1	used to remotely assign hvac mode
10	838	854	870	886	902	918	934	950	temp stpt cmd	50-105F (10-40C)	72	used to remotely assign stpt
11	839	855	871	887	903	919	935	951	ClgVlv cmd	0-255 = 0-100% = 0-10V	-	for direct control: in slave mode only
12	840	856	872	888	904	920	936	952	HtgVlv cmd	0-255 = 0-100% = 0-10V	-	for direct control: in slave mode only
13	841	857	873	889	905	921	937	953	stpt deadband	1,2,4,6,...20	2	how tight to control temp to stpt
14	842	858	874	890	906	922	938	954				
15	843	859	875	891	907	923	939	955	effective heating stpt			
16	844	860	876	892	908	924	940	956	effective cooling stpt			

	iT8-9	iT8-10	iT8-11	iT8-12	iT8-13	iT8-14	iT8-15	iT8-16	descriptions	range	default	Notes
1	111	121	131	141	151	161	171	181	FanMode Cmd	0=auto, 1=ON	0	auto by demand or on always
2	112	122	132	142	152	162	172	182	Tstat on/off cmd	0=off, 1=on	1	turns tstat on/off
3	113	123	133	143	153	163	173	183	Keypad Mode Cmd	0=unlocked, 1=locked	0	locks all keys on tstat (local mode only)
4	114	124	134	144	154	164	174	184	Local/Slave cmd	0=local, 1=slave	0	controlled locally or via network
5	115	125	135	145	155	165	175	185	Keypad Admin lock cmd	0=off, 1=on	0	locks all keys except stpt up/down
6	116	126	136	146	156	166	176	186	Fan Relay Cmd	0=off, 1=on	-	for direct control: in slave mode only
7	117	127	137	147	157	167	177	187	Clg Relay cmd	0=off, 1=on	-	for direct control: in slave mode only
8	118	128	138	148	158	168	178	188	Htg Relay cmd	0=off, 1=on	-	for direct control: in slave mode only
9	119	129	139	149	159	169	179	189	3rd Stg/Emrg Ht cmd	0=off, 1=on	-	for direct control: in slave mode only
10	120	130	140	150	160	170	180	190	Rev.Vlv cmd	0=off, 1=on	-	for direct control: in slave mode only

957-960	Enforce bytes: units 1-8	957=EnHvac, 958=EnFan, 959=EnRun, 960=EnStp: each register is bit mapped for 8 units
961-964	Enforce bytes: units 9-16	961=EnHvac, 962=EnFan, 963=EnRun, 964=EnStp: each register is bit mapped for 8 units
965-980	low stpt limit - cool: 1-16	50-90F can only cool down to this limit in cool Md
981-996	high stpt limit - heat: 1-16	60-100F can only heat up to this limit in heat Md
997	dual setpoint difference	1,2,4,...30F. How far apart cool & heat stpt must be when dual stpt enable is true.
998	HvacMd AutoSelect En/Dis	0=disabled, 1=enabled. Bit0=unit1, Bit1=unit2, etc...
999	stpt mode (single or dual)	0=single, 1=dual: Bit0=unit1, Bit1=unit2, etc...
1000	AutoHvacMdSel Delay	default 30min. How long bnet logic must wait before automatically switching hvac mode