LightLEEDer Room Controller Relay and Input Mapping

RC Node	RC Func	Relay	LS Node	Local Port	In 1	In 2	In 3	In 4	In 5	In 6	In 7	In 8	Dim Node	Output	RC
01	Relay 1	nn.01	01	LightSync 01	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 1	OS 2	01	nn.01.01	Dim 1
	Relay 2	nn.02	02	LightSync 02	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 3	OS 4		nn.01.02	Dim 2
	Relay 3	nn.03	03	Photocell 1	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.01.03	Dim 3
	Relay 4	nn.04	04	Photocell 2	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.01.04	Dim 4
RC Node	RC Func	Relay	LS Node	Local Port	In 1	In 2	In 3	In 4	In 5	In 6	In 7	In 8	Dim Node	Output	RC
02	Relay 1	nn.05	05	LightSync 05	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 1	OS 2	02	nn.02.01	Dim 1
	Relay 2	nn.06	06	LightSync 06	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 3	OS 4		nn.02.02	Dim 2
	Relay 3	nn.07	07	Photocell 1	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.02.03	Dim 3
	Relay 4	nn.08	08	Photocell 2	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.02.04	Dim 4
RC Node	RC Func	Relay	LS Node	Local Port	In 1	In 2	In 3	In 4	In 5	In 6	In 7	In 8	Dim Node	Output	RC
03	Relay 1	nn.09	09	LightSync 09	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 1	OS 2	03	nn.03.01	Dim 1
	Relay 2	nn.10	0A	LightSync 0A	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 3	OS 4		nn.03.02	Dim 2
	Relay 3	nn.11	0B	Photocell 1	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.03.03	Dim 3
	Relay 4	nn.12	0C	Photocell 2	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.03.04	Dim 4
RC Node	RC Func	Relay	LS Node	Local Port	In 1	In 2	In 3	In 4	In 5	In 6	In 7	In 8	Dim Node	Output	RC
04	Relay 1	nn.13	0D	LightSync 0D	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 1	OS 2	04	nn.04.01	Dim 1
	Relay 2	nn.14	0E	LightSync 0E	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 3	OS 4		nn.04.02	Dim 2
	Relay 3	nn.15	0F	Photocell 1	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.04.03	Dim 3
	Relay 4	nn.16	10	Photocell 2	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.04.04	Dim 4

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RC Node	RC Func	Relay	LS Node	Local Port	In 1	In 2	In 3	In 4	In 5	In 6	In 7	In 8	Dim Node	Output	RC
05	Relay 1	nn.17	11	LightSync 11	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 1	OS 2	05	nn.05.01	Dim 1
	Relay 2	nn.18	12	LightSync 12	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 3	OS 4		nn.05.02	Dim 2
	Relay 3	nn.19	13	Photocell 1	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.05.03	Dim 3
	Relay 4	nn.20	14	Photocell 2	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.05.04	Dim 4
RC Node	RC Func	Relay	LS Node	Local Port	In 1	In 2	In 3	In 4	In 5	In 6	In 7	In 8	Dim Node	Output	RC
06	Relay 1	nn.21	15	LightSync 15	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 1	OS 2	06	nn.06.01	Dim 1
	Relay 2	nn.22	16	LightSync 16	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 3	OS 4		nn.06.02	Dim 2
	Relay 3	nn.23	17	Photocell 1	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.06.03	Dim 3
	Relay 4	nn.24	18	Photocell 2	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.06.04	Dim 4
RC Node	RC Func	Relay	LS Node	Local Port	In 1	In 2	In 3	In 4	In 5	In 6	In 7	In 8	Dim Node	Output	RC
07	Relay 1	nn.25	19	LightSync 19	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 1	OS 2	07	nn.07.01	Dim 1
	Relay 2	nn.26	1A	LightSync 1A	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 3	OS 4		nn.07.02	Dim 2
	Relay 3	nn.27	1B	Photocell 1	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.07.03	Dim 3
	Relay 4	nn.28	1C	Photocell 2	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.07.04	Dim 4
RC Node	RC Func	Relay	LS Node	Local Port	In 1	In 2	In 3	In 4	In 5	In 6	In 7	In 8	Dim Node	Output	RC
08	Relay 1	nn.29	1D	LightSync 1D	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 1	OS 2	08	nn.08.01	Dim 1
	Relay 2	nn.30	1E	LightSync 1E	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 3	OS 4		nn.08.02	Dim 2
	Relay 3	nn.31	1F	Photocell 1	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.08.03	Dim 3
	Relay 4	nn.32	20	Photocell 2	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.08.04	Dim 4

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RC Node	RC Func	Relay	LS Node	Local Port	In 1	In 2	In 3	In 4	In 5	In 6	In 7	In 8	Dim Node	Output	RC
09	Relay 1	nn.33	21	LightSync 21	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 1	OS 2	09	nn.09.01	Dim 1
	Relay 2	nn.34	22	LightSync 22	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 3	OS 4		nn.09.02	Dim 2
	Relay 3	nn.35	23	Photocell 1	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.09.03	Dim 3
	Relay 4	nn.36	24	Photocell 2	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.09.04	Dim 4
RC Node	RC Func	Relay	LS Node	Local Port	In 1	In 2	In 3	In 4	In 5	In 6	In 7	In 8	Dim Node	Output	RC
0A	Relay 1	nn.37	25	LightSync 25	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 1	OS 2	0A	nn.0A.01	Dim 1
	Relay 2	nn.38	26	LightSync 26	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 3	OS 4		nn.0A.02	Dim 2
	Relay 3	nn.39	27	Photocell 1	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.0A.03	Dim 3
	Relay 4	nn.40	28	Photocell 2	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.0A.04	Dim 4
RC Node	RC Func	Relay	LS Node	Local Port	In 1	In 2	In 3	In 4	In 5	In 6	In 7	In 8	Dim Node	Output	RC
0B	Relay 1	nn.41	29	LightSync 29	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 1	OS 2	0B	nn.0B.01	Dim 1
	Relay 2	nn.42	2A	LightSync 2A	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 3	OS 4		nn.0B.02	Dim 2
	Relay 3	nn.43	2B	Photocell 1	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.0B.03	Dim 3
	Relay 4	nn.44	2C	Photocell 2	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.0B.04	Dim 4
RC Node	RC Func	Relay	LS Node	Local Port	In 1	In 2	In 3	In 4	In 5	In 6	In 7	In 8	Dim Node	Output	RC
0C	Relay 1	nn.45	2D	LightSync 2D	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 1	OS 2	0C	nn.0C.01	Dim 1
	Relay 2	nn.46	2E	LightSync 2E	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 3	OS 4		nn.0C.02	Dim 2
	Relay 3	nn.47	2F	Photocell 1	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.0C.03	Dim 3
	Relay 4	nn.48	30	Photocell 2	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.0C.04	Dim 4

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RC Node	RC Func	Relay	LS Node	Local Port	In 1	In 2	In 3	In 4	In 5	In 6	In 7	In 8	Dim Node	Output	RC
0D	Relay 1	nn.49	31	LightSync 31	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 1	OS 2	0D	nn.0D.01	Dim 1
	Relay 2	nn.50	32	LightSync 32	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 3	OS 4		nn.0D.02	Dim 2
	Relay 3	nn.51	33	Photocell 1	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.0D.03	Dim 3
	Relay 4	nn.52	34	Photocell 2	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.0D.04	Dim 4
RC Node	RC Func	Relay	LS Node	Local Port	In 1	In 2	In 3	In 4	In 5	In 6	In 7	In 8	Dim Node	Output	RC
0E	Relay 1	nn.53	35	LightSync 35	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 1	OS 2	0E	nn.0E.01	Dim 1
	Relay 2	nn.54	36	LightSync 36	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 3	OS 4		nn.0E.02	Dim 2
	Relay 3	nn.55	37	Photocell 1	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.0E.03	Dim 3
	Relay 4	nn.56	38	Photocell 2	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.0E.04	Dim 4
RC Node	RC Func	Relay	LS Node	Local Port	In 1	In 2	In 3	In 4	In 5	In 6	In 7	In 8	Dim Node	Output	RC
0F	Relay 1	nn.57	39	LightSync 39	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 1	OS 2	0F	nn.0F.01	Dim 1
	Relay 2	nn.58	3A	LightSync 3A	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 3	OS 4		nn.0F.02	Dim 2
	Relay 3	nn.59	3B	Photocell 1	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.0F.03	Dim 3
	Relay 4	nn.60	3C	Photocell 2	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.0F.04	Dim 4
RC Node	RC Func	Relay	LS Node	Local Port	In 1	In 2	In 3	In 4	In 5	In 6	In 7	In 8	Dim Node	Output	RC
10	Relay 1	nn.61	3D	LightSync 3D	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 1	OS 2	10	nn.10.01	Dim 1
	Relay 2	nn.62	3E	LightSync 3E	LS In 1	LS In 2	LS In 3	LS In 4	LS In 5	LS In 6	OS 3	OS 4		nn.10.02	Dim 2
	Relay 3	nn.63	3F	Photocell 1	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.10.03	Dim 3
	Relay 4	nn.64	40	Photocell 2	PC In 1	PC In 2	PC In 3	PC In 4	PC In 5	PC In 6	PC In 7	PC In 8		nn.10.04	Dim 4

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LightLEEDer Room Controller Notes:

- Devices connected to the room controllers local port may only be LightSync “Classic” or “G2” 1-6 push button switches. Using other LightSync devices may not operate properly, contact ILC for details.
- Room controllers networked from an Expansion Controller must be addressed 01–10 without duplicates.
- Stand-alone Room Controllers addressed at FF cannot reside on a LightLEEDer network.
- Room controllers residing on the network use the LightSync device addresses shown on the table above. The addresses cannot be used by other network devices on the network chain from the Expansion Controller.
- LL-2RC Room Controllers only support the first 2 relays for each RC Node.
- Hardwire inputs 1-4 are referenced on the above table as “OS 1” thru “OS 4” using inputs 7 and 8 of the first 2 LightSync devices assigned to the RC Node address. These inputs are designed for occupancy sensors(OS) and direct wired switches.
- The reference nn in the chart above represents the Expansion Controller node number address.

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