



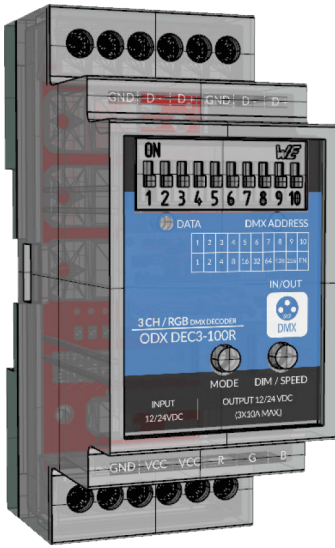
3CH / RGB DMX DECODER ODX DEC3-100R DATASHEET



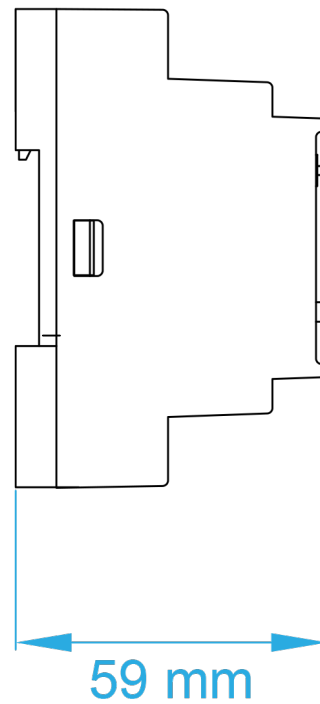
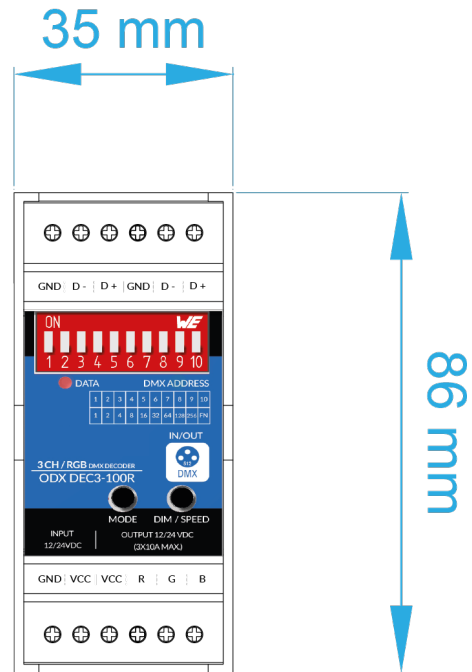


Technical Specifications

Input Voltage	DC 12-24 V
Operating Current	80mA - 40 mA
Power Consumption	1 W
Data	DMX 512 IN / OUT
Output	3 Ch / RGB
Output Currents	3 x 10 A Max.
DMX Adress Range	1 - 512
Modes	Offline / Demo
	Online / DMX
Demo Control	Dim / Speed
Operating Temp.	-40° C ~ 60° C
Operating Humidity	≥5% - 95% RH
Protection Class	IP20
Dimensions	86x35x59mm
Weight	0,250Kg
Materiel	ABS
Body Color	Black / White



▶ Dimensions





DMX Addressing Table

DIP SWITCH SET OFF=0 ON=1					#10	FOR DEMO MODE																
					#9	1=ON								0=OFF								
					#8	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
					#7	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1	1
					#6	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0
#1	#2	#3	#4	#5																		
0	0	0	0	0	NA	32	64	96	128	160	192	224	256	288	320	352	384	416	448	480		
1	0	0	0	0	1	33	65	97	129	161	193	225	257	289	321	353	385	417	449	481		
0	1	0	0	0	2	34	66	98	130	162	194	226	258	290	322	354	386	418	450	482		
1	1	0	0	0	3	35	67	99	131	163	195	227	259	291	323	355	387	419	451	483		
0	0	1	0	0	4	36	68	100	132	164	196	228	260	292	324	356	388	420	452	484		
1	0	1	0	0	5	37	69	101	133	165	197	229	261	293	325	357	389	421	453	485		
0	1	1	0	0	6	38	70	102	134	166	198	230	262	294	326	358	390	422	454	486		
1	1	1	0	0	7	39	71	103	135	167	199	231	263	295	327	359	391	423	455	487		
0	0	0	1	0	8	40	72	104	136	168	200	232	264	296	328	360	392	424	456	488		
1	0	0	1	0	9	41	73	105	137	169	201	233	265	297	329	361	393	425	457	489		
0	1	0	1	0	10	42	74	106	138	170	202	234	266	298	330	362	394	426	458	490		
1	1	0	1	0	11	43	75	107	139	171	203	235	267	299	331	363	395	427	459	491		
0	0	1	1	0	12	44	76	108	140	172	204	236	268	300	332	364	396	428	460	492		
1	0	1	1	0	13	45	77	109	141	173	205	237	269	301	333	365	397	429	461	493		
0	1	1	1	0	14	46	78	110	142	174	206	238	270	302	334	366	398	430	462	494		
1	1	1	1	0	15	47	79	111	143	175	207	239	271	303	335	367	399	431	463	495		
0	0	0	0	1	16	48	80	112	144	176	208	240	272	304	336	368	400	432	464	496		
1	0	0	0	1	17	49	81	113	145	177	209	241	273	305	337	369	401	433	465	497		
0	1	0	0	1	18	50	82	114	146	178	210	242	274	306	338	370	402	434	466	498		
1	1	0	0	1	19	51	83	115	147	179	211	243	275	307	339	371	403	435	467	499		
0	0	1	0	1	20	52	84	116	148	180	212	244	276	308	340	372	404	436	468	500		
1	0	1	0	1	21	53	85	117	149	181	213	245	277	309	341	373	405	437	469	501		
0	1	1	0	1	22	54	86	118	150	182	214	246	278	310	342	374	406	438	470	502		
1	1	1	0	1	23	55	87	119	151	183	215	247	279	311	343	375	407	439	471	503		
0	0	0	1	1	24	56	88	120	152	184	216	248	280	312	344	376	408	440	472	504		
1	0	0	1	1	25	57	89	121	153	185	217	249	281	313	345	377	409	441	473	505		
0	1	0	1	1	26	58	90	122	154	186	218	250	282	314	346	378	410	442	474	506		
1	1	0	1	1	27	59	91	123	155	187	219	251	283	315	347	379	411	443	475	507		
0	0	1	1	1	28	60	92	124	156	188	220	252	284	316	348	380	412	444	476	508		
1	0	1	1	1	29	61	93	125	157	189	221	253	285	317	349	381	413	445	477	509		
0	1	1	1	1	30	62	94	126	158	190	222	254	286	318	350	382	414	446	478	510		
1	1	1	1	1	31	63	95	127	159	191	223	255	287	319	351	383	415	447	479	511		

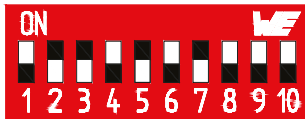
Switch #10 (FN Switch) is for DEMO mode. If #10 is on;

When DMX data is available, DEMO mode will be stop.

When DMX data is unavailble, DEMO mode will be restarts in 3 second.



DMX Addressing Examples



$$2+4+16+64=86$$



$$1+8+32+128=169$$

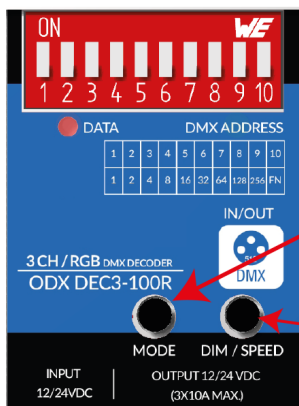


$$2+4+8+32+6+256=366$$

1	2	3	4	5	6	7	8	9	10
1	2	4	8	16	32	64	128	256	FN

$$2+4+16+64=86$$

Button Functions



When DEMO mode is running;

MODE Button;

Changes builtin scenes. Press once for each scene. After last scene, scenes start from first scene.

DIM / SPEED Button;

Static scenes : Button will change brightness of scene. Press and hold for DIM +. After brightness reach max. state brightness starts from "0". Release button when preferred brightness set.

Action scenes : Button will change speed of scene. Press and hold for SPEED +. After speed reach max. state speed starts from "0". Release button when preferred speed set.

Bulitin Scenes

- 1. Static Red
- 2. Static Green
- 3. Static Blue
- 4. Static Yellow
- 5. Static Cyan
- 6. Static Magenta
- 7. Static White
- 8. Action Rainbow
- 9. Action White Flash



Schematics Diagram

