Features

Individual addressable manual fire alarm callpoints with:

- Power and data supplied through IDNet addressable communications using a single wire pair
- Enhanced aesthetics
- Designed for fast and easy installation
- Designed for EMI compatibility
- Surface or flush mounting options
- Test key allows the callpoint to be tested without breaking the glass
- Requires a special key to open the callpoint

Compatible with Simplex Model series 4010, 4100U, 4007ES , 4010ES and 4100ES

Description

The IDNET addressable manual callpoints, with compact communications module, install easily to satisfy demanding applications. An integral individual addressable module (IAM) monitors status and communicates changes to the connected control panel via IDNet communications.

Specifications

Specifications	Rating
Power and communications	IDNet, 1 address per callpoint
Address means	DIP switch, 8 position
Device type	KACPUL
Wire connections	Spade terminals
Storage and operating temperature range	14°F to 131°F (-10°C to 55°C)
Humidity range	Up to 95% RH non-condensing
Ingress protection	IP24D
Color	Red, RAL3001
Material	PC/ABS
Dimensions (H x W x D)	3 5/8 in. x 3 1/2 in. x 1 1/16 in. (93 mm x 89 mm x 28 mm)

Figure 1: IDNet Addressable Manual Callpoint

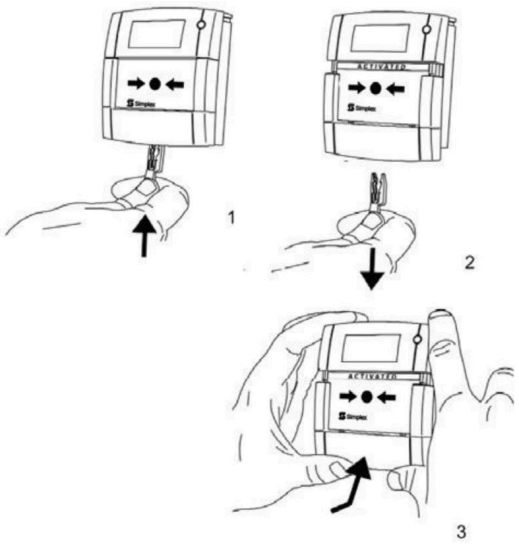
Operation

Activation of the Simplex callpoint requires the glass element to be broken. Completing the action operates a micro-switch whose condition is signaled back to the control panel.

Callpoint reset requires the use of a special key (supplied with the callpoint) to remove the front cover which allows the glass element to be replaced.

Callpoint testing is performed by inserting the key fully into the bottom of the housing and pulling down, this releases the bottom of the housing and break glass element. To reset the callpoint, the bottom of the housing is pushed upwards until it locks in position. (See Figure 2)

Figure 2: Callpoint Testing



* This product is not presently agency listed. Contact your local Simplex product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co. are the property of Tyco Fire Protection Products.

Application Reference

Refer to NFPA 72, the ***National Fire Alarm Code***, and all applicable local codes for complete requirements for manual callpoints. The following summarizes the basic requirements:

1. Callpoints shall be located in the normal path of exit and distributed in the protected area such that they are unobstructed and readily accessible.
2. Mounting shall be with the operable part not less than 3 1/2 ft (1.1 m) and not more than 4 1/2 ft (1.37 m) above floor level.
3. At least one callpoint shall be provided on each floor. Additional callpoints shall be provided to obtain a travel distance not more than 200 ft (61m) to the nearest callpoint from any part of the building.
4. When manual callpoint coverage appears limited in any way, additional callpoints should be installed.

Product Selection

Addressable Manual Callpoints with Internal IAM

Model	Description
4099-9701	English callpoint with LED
4099-9702	English callpoint, no LED
4099-9704	English/Hebrew callpoint with LED
CN4099-9032	Chinese callpoint with LED

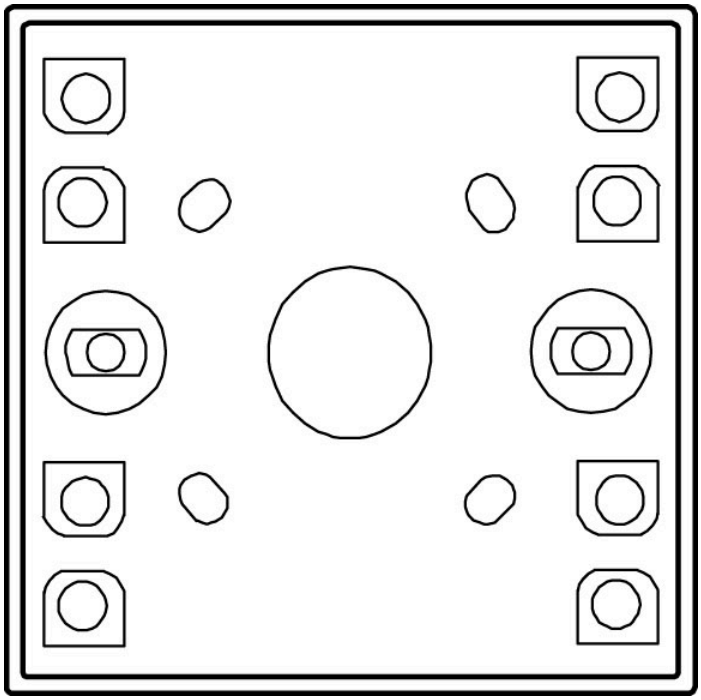
Accessories

Model	Description
515.001.021	Surface mount backbox for Simplex internal callpoints, 32 mm deep, 1 1/4 in.
4099-9706	Callpoint replacement glass, package of 10

Mounting Information

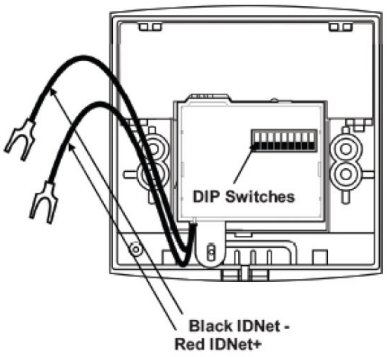
Note: The callpoint fits directly to a UK switch/socket box. A minimum box depth of 25 mm is recommended.

Figure 3: 515.001.021 PC/ABS Backbox for surface mounting



Setting the Callpoint Address

Figure 4: Setting the callpoint address



LSB MSB DIPSWITCH IS SHOWN SET AT ADDRESS 7

ON OFF 1 2 3 4 5 6 7 8

1 = ON 0 = OFF

Note:
DIP switch in "1" position is "ON" while DIP switch in "0" position is "OFF."

RESERVED FOR FUTURE USE — DIP SWITCHES 5 THRU 8

DIP SWITCHES 1 THRU 4

	0000	1000	0100	1100	0010	1010	0110	1110	0001	1001	0101	1101	0011	1011	0111	1111
0000	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224	240
1000	1	17	33	49	65	81	97	113	129	145	161	177	193	209	225	241
0100	2	18	34	50	66	82	98	114	130	146	162	178	194	210	226	242
1100	3	19	35	51	67	83	99	115	131	147	163	179	195	211	227	243
0010	4	20	36	52	68	84	100	116	132	148	164	180	196	212	228	244
1010	5	21	37	53	69	85	101	117	133	149	165	181	197	213	229	245
0110	6	22	38	54	70	86	102	118	134	150	166	182	198	214	230	246
1110	7	23	39	55	71	87	103	119	135	151	167	183	199	215	231	247
0001	8	24	40	56	72	88	104	120	136	152	168	184	200	216	232	248
1001	9	25	41	57	73	89	105	121	137	153	169	185	201	217	233	249
0101	10	26	42	58	74	90	106	122	138	154	170	186	202	218	234	250
1101	11	27	43	59	75	91	107	123	139	155	171	187	203	219	235	251
0011	12	28	44	60	76	92	108	124	140	156	172	188	204	220	236	252
1011	13	29	45	61	77	93	109	125	141	157	173	189	205	221	237	253
0111	14	30	46	62	78	94	110	126	142	158	174	190	206	222	238	254
1111	15	31	47	63	79	95	111	127	143	159	175	191	207	223	239	255

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Replacing the Break Glass Element

Figure 5: Replacing the Break Glass element