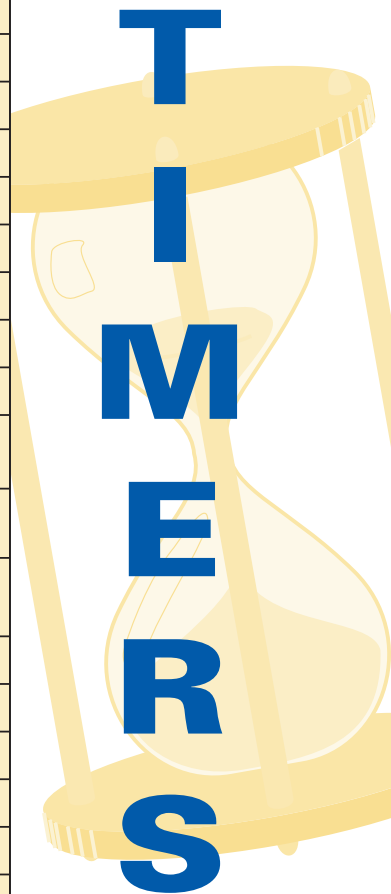


CATALOGUE NUMBER	GHD12DM	GHDI	GH6DS	GHM1	GHQ1	
Overall dimensions (width)	22.5mm	22.5mm	22.5mm	17.5mm	17.5mm	
DIN rail mounting	Yes	Yes	Yes	Yes	Yes	
Supply voltage	24V AC/DC 110-240V AC	24V AC/DC 110-240V AC	24V AC/DC 110-240V AC	12-240V AC/DC	24V AC/DC 110-240V AC	
Time ranges	16	8	4	8	8	
Minimum time	50 ms	50 ms	0.5 s	50 ms	50 ms	
Maximum time	30 days	10 days	3 min	10 days	10 days	
ON delay	E	Yes	-	-	Yes	Yes
ON delay with control contact	Es	Yes	-	-	Yes	-
OFF delay with control contact	R	Yes	-	-	Yes	Yes
Single shot leading edge with control contact	Ws	Yes	-	-	Yes	-
Single shot leading edge voltage control	Wu	Yes	-	-	Yes	Yes
Single shot trailing edge with control contact	Wa	Yes	-	-	Yes	-
Flasher pause first	Bp	Yes	-	-	Yes	Yes
Asymmetric flasher pause first	lp	-	Yes	-	-	-
Asymmetric flasher pulse first	li	-	Yes	-	-	-
Pulse detection	Wt	Yes	-	-	Yes	-
Star-Delta start up	S	-	-	Yes	-	-
Instantaneous contact		Yes	-	-	-	-
Output contacts (*)	2 C/O	1 C/O	2 N/O	1 C/O	1 C/O	

Modular Timers



DIN Rail Mount

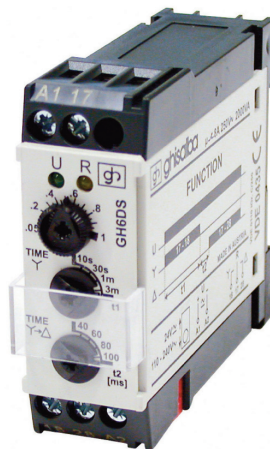
(*) **N/O** Normally open contact **C/O**: Change-over contact



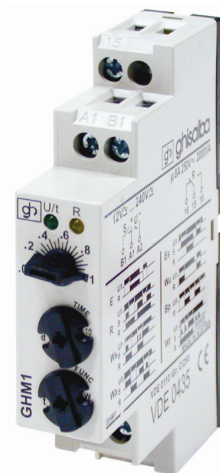
GHD12DM



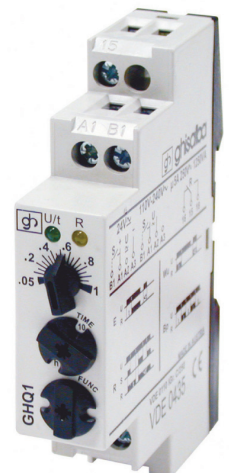
GHDI1




GH6DS




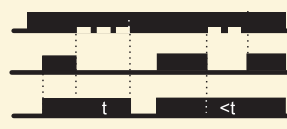
GHM1




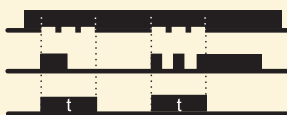
GHQ1

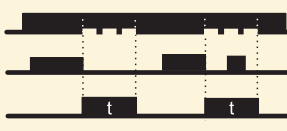
U/t  **ON delay (E)**
 When the supply voltage (U) is applied, the output contact (R) switches into on-position after a defined time t. This status remains until the supply voltage is interrupted.

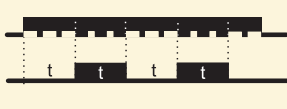
U/t  **ON delay with control contact (Es)**
 The supply voltage (U) must be constantly applied. When the control contact is closed (S), the output contact (R) switches into on-position after a defined time t. This status remains until the control contact is opened again.

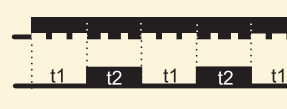
U/t  **OFF delay with control contact (R)**
 The supply voltage (U) must be constantly applied. When the control contact is closed (S), the output contact (R) switches into on-position instantly and this status remains for a defined period t after the control contact is opened. If the control contact is closed again in a time t it restarts a new cycle.

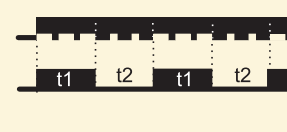
U/t  **Single shot leading edge voltage controlled (Wu)**
 When the supply voltage (U) is applied, the output contact (R) switches into on-position instantly and it remains with this condition for defined period t. This status remains until the supply voltage is interrupted.

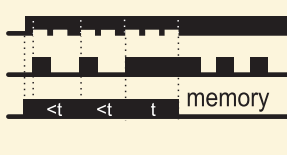
U/t  **Single shot leading edge with control contact (Ws)**
 The supply voltage (U) must be constantly applied. When the control contact is closed (S), the output contact (R) switches into on-position instantly and this status remains for a defined period t. In this period the control contact can be operated any number of times.

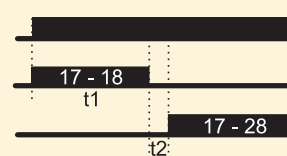
U/t  **Single shot trailing edge voltage controlled (Wa)**
 The supply voltage (U) must be constantly applied. Closing the control contact (S) has no influence on the condition of the output relay (R). The output contact (R) switches into on-position instantly when the control contact is opened and this status remains for a defined period t. In this period the control contact can be operated any number of times.

U/t  **Flasher pause first (Bp)**
 When the supply voltage (U) is applied, after a defined period t the output contact (R) switches into on-position and it remains with this condition for the same period t. This status remains until the supply voltage is interrupted.

U/t  **Asymmetric flasher pause first (lp)**
 When the supply voltage (U) is applied, after a defined period t1 the output contact (R) switches into on-position and it remains with this condition for a defined period t2. This alternation of conditions remains until the supply voltage is interrupted.

U/t  **Asymmetric flasher pulse first (li)**
 When the supply voltage (U) is applied, the output contact (R) switches into on-position instantly and it remains with this condition for a defined period t1. Then output contact (R) switches into off-position and it remains with this condition for a defined period t2. This alternation of conditions remains until the supply voltage is interrupted.

U/t  **Pulse detection (Wt)**
 When the supply voltage (U) the output contact (R) switches into on-position instantly. When the control contact is closed (S), the set interval t begins. To keep the output relay in on-position, the control contact must be opened and closed again within the set interval t. If this doesn't happen, the relay switches into off-position and it remains in this condition until the supply voltage is interrupted and re-applied.

U/t  **Star/Delta start up (S)**
 When the supply voltage (U) is applied, the contact for the Star contactor switches into on position and it remains with this condition for a defined period t1. After the interval t1 has expired the contact switches into off-position and the set transit time t2 begins. When the interval t2 has expired the contact for the delta-contactor switches into on-position.