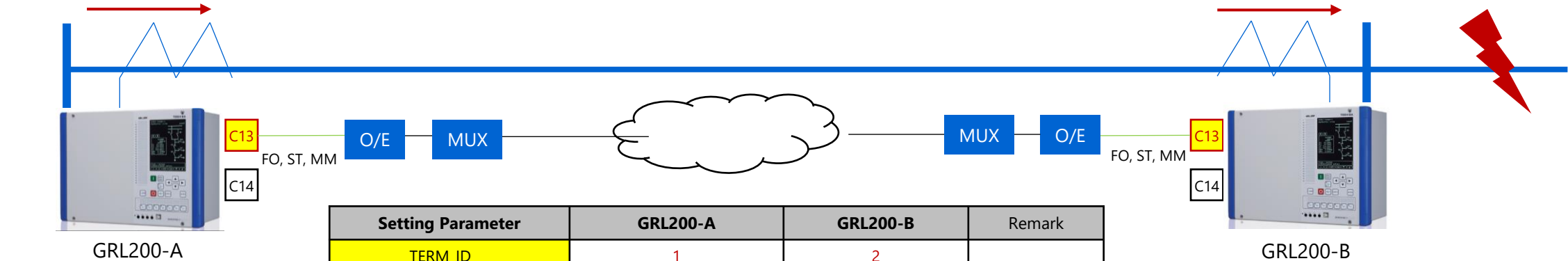


GRL200 2 Term Connection via OE

Substation A

Substation B



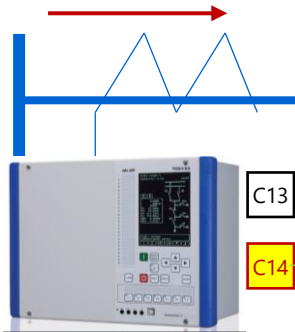
GRL200-**-***-**24**-***
- C13 port: 2km class, ST, MM
- C14 port: 30km class, LC, SM

GRL200-**-***-**24**-***
- C13 port: 2km class, ST, MM
- C14 port: 30km class, LC, SM

Setting Parameter	GRL200-A	GRL200-B	Remark
TERM_ID	1	2	
TERM_TOPOLOGY	2Term	2Term	
OTD	Off	Off	
INTCOM	On	On	
CHCON	Off	Off	
SPCHKLVL	200	200	
CH1_COM_WIDTH	Normal	Normal	Or Wide
CH1_T.SFT	Off	Off	
CH1_B.SYN	On	On	
CH1_TCDT	0	0	
CH2_COM_WIDTH	Normal	Normal	
CH2_T.SFT	Off	Off	
CH2_B.SYN	Off	Off	
CH2_TCDT	0	0	
MSCHK-EN	Off	Off	
RYID-EN	Off	Off	
LOCAL_RYID	0	0	
CH1_RYID	0	0	
CH2_RYID	0	0	

GRL200 2 Term Connection

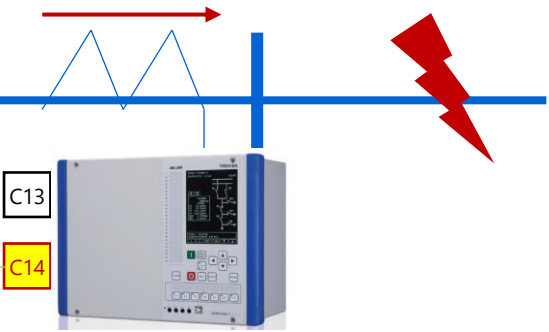
Substation A



GRL200-A

GRL200-**-***-24-***
- C13 port: 2km class, ST, MM
- C14 port: 30km class, LC, SM

Substation B



GRL200-B

GRL200-**-***-24-***
- C13 port: 2km class, ST, MM
- C14 port: 30km class, LC, SM

30km class, Connector LC, Direct connection

Setting Parameter	GRL200-A	GRL200-B	Remark
TERM_ID	1	2	
TERM_TOPOLOGY	2Term	2Term	
OTD	Off	Off	
INTCOM	On	On	
CHCON	On	On	
SPCHKLVL	200	200	
CH1_COM_WIDTH	Normal	Normal	Or Wide
CH1_T.SFT	Off	Off	
CH1_B.SYN	Off	Off	
CH1_TCDT	0	0	
CH2_COM_WIDTH	Normal	Normal	
CH2_T.SFT	Off	Off	
CH2_B.SYN	Off	Off	
CH2_TCDT	0	0	
MSCHK-EN	Off	Off	
RYID-EN	Off	Off	
LOCAL_RYID	0	0	
CH1_RYID	0	0	
CH2_RYID	0	0	

- ❖ When **[CHCON] = ON**
 - All exchange data in C14 will be used for CH1 calculation in GRL200 which is applied for DIF#1 element;
 - [CH1_*] setting parameters are effective for tele-communication link between 2 GRL200s (as highlight parameters)
 - Monitoring signals **COM*_*_R1** are available to use (COM*_*_R2 isn't applied)
- ❖ Measured data CH1-DT is one of tele-com fail criteria:
 - **CH1 DT < 20us** Different sampling time between GRL200s
 - CH1 Delay: Propagation delay time at CH1 (Thời gian truyền tín hiệu)